

BOBBY JINDAL
GOVERNOR



HAROLD LEGGETT, Ph.D.
SECRETARY

State of Louisiana
DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

Certified Mail No.:

Activity No.: PER20080011
Agency Interest No.: 13058

Mr. Alvin Koolman
Pelican Refining Company, LLC
4646 Hwy. 3059
Lake Charles, LA 70615

RE: Permit Modification, Asphalt Blending Facility, Pelican Refining Co LLC, Lake Charles, Calcasieu Parish, Louisiana

Dear Mr. Koolman:

This is to inform you that the permit modification request for the above referenced facility has been approved under LAC 33:III.501. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets, and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Also enclosed is a document entitled "General Information." Please be advised that this document contains a summary of facility-level information contained in LDEQ's TEMPO database and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Permit Support Services, at (225) 219-3284 or email your changes to facupdate@la.gov.

The permit number cited below and agency interest number cited above should be referenced in future correspondence regarding this facility.

Done this ____ day of _____, 2009.

Permit No.: 2932-01

Sincerely,

Cheryl Sonnier Nolan
Assistant Secretary
CSN:TVN

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Asphalt Blending Facility
Agency Interest No.: 13058
Pelican Refining Co LLC
Lake Charles, Calcasieu Parish, Louisiana

I. BACKGROUND

This Lake Charles refinery was constructed in the late 70s. The ownership of the refinery was transferred from American International Refinery, Inc. (AIRI) to Gold Line Refinery, Ltd. on September 26, 1991. AIRI regained operational control of the refinery in March 1997. Ownership of the refinery was transferred to Pelican Refining Company, L.L.C. on March 10, 2005. The refinery was permitted under Part 70 Permit 0520-00027-V0 issued February 4, 2003 and Title V Permit No. 0520-00027-V1 dated June 21, 2005. The asphalt plant was constructed in 1996 and was permitted under State Permit 0520-000183-02 granted May 27, 1998. The refinery site had been inoperable since 1999 and the asphalt plant stopped operation in 2002. A general Title V permit No. 2932-V0 was issued on July 6, 2005 for two boilers. Since 2005 this facility including Lake Charles Refinery and Asphalt Plant, has been in the processes of resuming normal operation. Currently, Lake Charles Refinery and Asphalt Plant operate under one permit, Permit No. 0520-00027-V2 dated January 8, 2007.

II. ORIGIN

A permit application dated December 31, 2008 was submitted requesting a permit modification.

III. DESCRIPTION

The Asphalt Blending Facility is a blending operation where additives are mixed with an Asphalt feedstock. The Asphalt feedstock can be supplied either as the bottoms product from a Vacuum Distillation Unit (VDC), or it can be imported via barge from another refinery. It is important to note that although the Asphalt Blending Facility can receive feed from the Pelican's Atmospheric Distillation Unit (ADU) bottoms, this unit has almost exclusively received imported Asphalt feed since Pelican assumed ownership. One reason for this is that imported Asphalt has been significantly cheaper to purchase than the VDU bottoms stream made in the Refinery. In fact, the Asphalt Blending Facility is considered by both management and the plant staff to be a separate plant that almost always operates independently from the Refinery. Asphalt Blending Facility has historically been treated as an independent business entity, given that the Asphalt Blending Facility air permit was not combined with the Refinery air permit until January 2007. The Asphalt Blending Facility operated for a number of years as a stand-alone plant while the Refinery was shut down. Even though the Asphalt Blending Facility currently operates under the same Title V permit as the other Refinery operations, there is a separate ownership structure for the Asphalt Blending Facility (the Refinery's ownership only retains a 50 % ownership in the Asphalt Blending Facility).

Currently the Refinery and Asphalt plant operate under 0520-00027-V2, issued on January 8, 2007. Through refinery modification and permit reconciliation, emissions of each criteria pollutant are below the TV major source threshold. The Pelican refinery, including the Asphalt Blending Facility, becomes a minor source. Pelican requested to have separate minor source permits for the

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Asphalt Blending Facility
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Lake Charles, Calcasieu Parish, Louisiana

Refinery and Asphalt Plant. So this permit covers only emission sources at the Asphalt Blending Facility.

Estimated emissions from the Refinery in tons per year are as follows:

Pollutant	Before**	After	Change
PM ₁₀	23.31	0.16	-23.15
SO ₂	29.43	0.01	-29.42
NO _x	131.27	2.15	-129.12
CO	89.67	1.80	-87.87
VOC ¹	122.95	17.07	-105.88
H ₂ S	3.68	-	-3.68
Metal*	-	<0.01	+<0.01

** Before emissions included emissions from both Lake Charles Refinery and Asphalt Plant

VOC¹ speciation in tons per year:

LAC 33:III. Chapter 51 Toxic Air Pollutants TAP's:

Pollutant	Before	After	Change
Benzene	1.95	<0.01	-1.95
Ethyl benzene	0.75	-	-0.75
Formaldehyde	0.12	<0.01	-0.12
n-Hexane	5.21	-	-5.21
Naphthalene	0.51	-	-0.51
Polynuclear aromatic hydrocarbon (PAH)	0.49	-	-0.49
Toluene	1.62	<0.01	-1.62
Xylene	1.34	-	-1.34
Total VOC TAPs	11.99	<0.01	-11.99
Metals*			
Copper	-	< 0.01	+ < 0.01
Nickel	-	< 0.01	+ < 0.01

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Asphalt Blending Facility
Agency Interest No.: 13058
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Lake Charles, Calcasieu Parish, Louisiana

Estimated emissions from each area, as well as the combined total emissions from the site, in tons per year, are as follows:

	Proposed Permit No.	PM ₁₀	SO ₂	NO _x	CO	VOC***
Pelican Refinery	0520-00027-04	6.30	13.39	71.40	41.06	76.30
Asphalt Blending Facility	2932-01	0.16	0.01	2.15	1.80	21.29
Total		6.46	13.40	73.55	42.86	97.59

VOC*** include GCXVII Activity Emissions.

IV. TYPE OF REVIEW

This permit was reviewed for compliance with Louisiana Air Quality Regulations and New Source Performance Standards (NSPS). Prevention of Significant Deterioration (PSD) and National Emission Standards for Hazardous Air Pollutants (NESHAP) do not apply.

This facility is a minor source of LAC 33:III.Chapter 51 Toxic Air Pollutants (TAPs).

V. PUBLIC NOTICE

Federally enforceable conditions are used to maintain VOC emissions from the facility below the Title V major source threshold of 100 TPY. A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on <date>, 200X; and in the <local paper>, <local town>, on <date>, 200X. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>. All comments will be considered prior to the final permit decision.

VI. EFFECTS ON AMBIENT AIR

Emissions associated with the proposed modification were reviewed by the Air Quality Assessment Division to ensure compliance with the NAAQS and AAS. LDEQ did not require the applicant to model emissions.

Dispersion Model(s) Used: None

Pollutant	Time Period	Calculated Maximum Ground Level Concentration	Louisiana Ambient Air Quality Standard (NAAQS)
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**AIR PERMIT BRIEFING SHEET
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LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Asphalt Blending Facility
Agency Interest No.: 13058
Pelican Refining Co LLC
Lake Charles, Calcasieu Parish, Louisiana**

VII. GENERAL CONDITION XVII ACTIVITIES

Work Activity	Schedule	Emission Rates - tons					
		PM ₁₀	SO ₂	NO _x	CO	VOC	H ₂ S
Laboratory emissions	365 days/year					0.22	
Pump and Valve Maintenance	4 times/year					0.08	
Tank Cleaning	1 times/year					3.92	

VIII. INSIGNIFICANT ACTIVITIES - NONE

ID No.:	Description	Citation
NA		

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application dated December 31, 2008.
- IV. This permit shall become invalid, for the sources not constructed, if:
- A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
 - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.
- The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.
- This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.
- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.
- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.

- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Enforcement Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Enforcement Division with a written report as specified below.
- A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
- B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
- C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
1. Report by June 30 to cover January through March
 2. Report by September 30 to cover April through June
 3. Report by December 31 to cover July through September
 4. Report by March 31 to cover October through December
- D. Each report submitted in accordance with this condition shall contain the following information:
1. Description of noncomplying emission(s);
 2. Cause of noncompliance;
 3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
 4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
 5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:
- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
 - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
 - C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
 - D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.
- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.
- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services in accordance with LAC 33:I.Chapter 19.Facility Name and Ownership/Operator Changes Process.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
 2. Be less than the minimum emission rate (MER)
 3. Be scheduled daily, weekly, monthly, etc., or
 4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]

These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.

- XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

- XIX. For Part 70 sources, certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

General Information

AI ID: 13058 Pelican Refining Co LLC
Activity Number: PER20080011
Permit Number: 2932-01
Air - Minor (Synthetic) Modification

Also Known As:

ID	Name	User Group	Start Date
0520-00027	Pelican Refining Co LLC	CDS Number	08-05-2002
74-2570362	Federal Tax ID	Federal Tax ID	11-21-1999
LAD092476126	Pelican Refining Co LLC	Hazardous Waste Notification	03-23-2006
0520-00027	Pelican Refining Co LLC	Historic Emission Inventory System (EIS) ID	03-01-2004
GP9326	LPDES #	LPDES Permit #	11-21-1999
LA0054399	LPDES #	LPDES Permit #	06-25-2003
LAG670039	LPDES #	LPDES Permit #	12-13-1999
WP0197	LWDPS #	LWDPS Permit #	06-25-2003
	Pelican Refining Co LLC	Multimedia	12-29-2004
GD-019-2704	American International Refinery Inc	Solid Waste	01-08-2002
G-019-3295	Site ID #	Solid Waste Facility No.	11-21-1999
19450	American International Refinery - Lake Charles Facility	TEMPO Merge	10-26-2000
31238	Gold Line Refining Ltd	TEMPO Merge	02-15-2001
3391	Lake Charles Refining Co	TEMPO Merge	02-15-2001
47217	Gold Line Refining Ltd - Lake Charles	TEMPO Merge	02-15-2001
48879	American International Refinery Inc	TEMPO Merge	10-30-2000
68805	American International Refinery Inc	TEMPO Merge	10-30-2000
70616GLDLN4646H	TRI #	Toxic Release Inventory	07-29-2004
WQC 020919-04	Water Quality Certification #	Water Certification	01-13-2003

Physical Location:

4646 Hwy 3059
 Lake Charles, LA 70601

Main FAX: 7138777192
 Main Phone: 7138776780

Mailing Address:

3355 W Alabama St Ste 575
 Houston, TX 77098

Location of Front Gate:

30° 17' 8" latitude, 93° 7' 53" longitude, Coordinate Method: Lat/Long - DMS, Coordinate Datum: NAD83

Related People:

Name	Mailing Address	Phone (Type)	Relationship
Betty Clark	PO Drawer 16867 Lake Charles, LA 70616867	3184394066 (WP)	Accident Prevention Billing Party for
Ryan Gigger	PO Drawer 16867 Lake Charles, LA 70616	3374394066 (WP)	Hazardous Waste Permit Contact For
Byron Hamilton	8 Greenway Plaza Ste 930 Houston, TX 77046	7138776780 (WP)	Responsible Official for
Byron Hamilton	8 Greenway Plaza Ste 930 Houston, TX 77046	7138776780 (WP)	Water Permit Contact For
Byron Hamilton	8 Greenway Plaza Ste 930 Houston, TX 77046	7138776780 (WP)	Air Permit Contact For
Alvin Koolman	4646 Hwy 3059 (Old Town Rd) Lake Charles, LA 70615	3374918800 (WP)	Responsible Official for
Alvin Koolman	4646 Hwy 3059 (Old Town Rd) Lake Charles, LA 70615	alvin.koolman@pelic	Responsible Official for

General Information

AI ID: 13058 Pelican Refining Co LLC
 Activity Number: PER20080011
 Permit Number: 2932-01
 Air - Minor (Synthetic) Modification

Related People:

Name	Mailing Address	Phone (Type)	Relationship
James Taylor	4646 Hwy 3059 (Old Town Rd) Lake Charles, LA 70615	3374918806 (WP)	Emission Inventory Contact for
James Taylor	4646 Hwy 3059 (Old Town Rd) Lake Charles, LA 70615	JT@PELICANREFIN	Emission Inventory Contact for
James Taylor	4646 Hwy 3059 (Old Town Rd) Lake Charles, LA 70615	3374918806 (WP)	Responsible Official for
James Taylor	4646 Hwy 3059 (Old Town Rd) Lake Charles, LA 70615	JT@PELICANREFIN	Responsible Official for

Related Organizations:

Name	Address	Phone (Type)	Relationship
Pelican Refining Co LLC	3355 W Alabama St Ste 575 Houston, TX 77098	7138776780 (WP)	Owns
Pelican Refining Co LLC	3355 W Alabama St Ste 575 Houston, TX 77098	7138776780 (WP)	Emission Inventory Billing Party
Pelican Refining Co LLC	3355 W Alabama St Ste 575 Houston, TX 77098	7138776780 (WP)	Operates
Pelican Refining Co LLC	500 Kirby St Lake Charles, LA 70601		Operates
Pelican Refining Co LLC	3355 W Alabama St Ste 575 Houston, TX 77098	7138776780 (WP)	Water Billing Party for
Pelican Refining Co LLC	3355 W Alabama St Ste 575 Houston, TX 77098	7138776780 (WP)	Air Billing Party for
Spooner & Associates Inc	PO Box 12685 Lake Charles, LA 706122685	3375621569 (WP)	Provides environmental services for
Spooner & Associates Inc	PO Box 12685 Lake Charles, LA 706122685	3375621568 (HP)	Provides environmental services for

NAIC Codes: 32411, Petroleum Refineries

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-0775 or email your changes to facupdate@la.gov.

INVENTORIES
AI ID: 13058 - Pelican Refining Co LLC
Activity Number: PER20080011
Permit Number: 2932-01
Air - Minor (Synthetic) Modification

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Asphalt Blending Facility						
EQT 0017	16-78 - VTB/Asphalt Storage Tank (TK 80-02)	3.34 million gallons	116.93 MM gallons/yr	116.93 MM gallons/yr	Asphalt	8760 hr/yr
EQT 0025	4-91 - VTB/Asphalt Storage Tank (TK 55-17)	2.3 million gallons	80.39 MM gallons/yr	80.39 MM gallons/yr	Asphalt	8760 hr/yr
EQT 0027	1-96 - VTB/Asphalt Storage Tank (TK 30-19)	1.26 million gallons	57.83 MM gallons/yr	57.83 MM gallons/yr	Asphalt	8760 hr/yr
EQT 0033	8-96 - Asphalt Tanker Truck Loading Rack		96.3 MM gallons/yr	96.3 MM gallons/yr		8760 hr/yr
EQT 0035	10-96 - VTB/Asphalt Storage Tank (TK 30-20)	1.26 million gallons	57.83 MM gallons/yr	57.83 MM gallons/yr	Asphalt	8760 hr/yr
EQT 0036	11-96 - VTB/Asphalt Storage Tank (TK 2-26)	105000 gallons	13.39 MM gallons/yr	13.39 MM gallons/yr	Asphalt	8760 hr/yr
EQT 0037	12-96 - VTB/Asphalt Storage Tank (TK 2-27)	105000 gallons	13.39 MM gallons/yr	13.39 MM gallons/yr	Asphalt	8760 hr/yr
EQT 0038	13-96 - VTB/Asphalt Storage Tank (TK 2-28)	105000 gallons	13.39 MM gallons/yr	13.39 MM gallons/yr	Asphalt	8760 hr/yr
EQT 0039	15-96 - VTB/Asphalt Storage Tank (TK 5-30)	210000 gallons	26.78 MM gallons/yr	26.78 MM gallons/yr	Asphalt	8760 hr/yr
EQT 0040	14-96 - VTB/Asphalt Storage Tank (TK 2-29)	105000 gallons	13.39 MM gallons/yr	13.39 MM gallons/yr	Asphalt	8760 hr/yr
EQT 0041	16-96 - VTB/Asphalt Storage Tank (TK 5-31)	210000 gallons	26.78 MM gallons/yr	26.78 MM gallons/yr	Asphalt	8760 hr/yr
EQT 0045	20-96 - VTB/Asphalt Storage Tank (TK-5-35)	210000 gallons	26.78 MM gallons/yr	26.78 MM gallons/yr	Asphalt	8760 hr/yr
EQT 0046	21-96 - VTB/Asphalt Storage Tank (TK-5-36)	210000 gallons	26.78 MM gallons/yr	26.78 MM gallons/yr	Asphalt	8760 hr/yr
EQT 0047	22-96 - VTB/Asphalt Storage Tank (TK 2-37)	105000 gallons	13.39 MM gallons/yr	13.39 MM gallons/yr	Asphalt	8760 hr/yr
EQT 0048	23-96 - VTB/Asphalt Storage Tank (TK 2-38)	105000 gallons	13.39 MM gallons/yr	13.39 MM gallons/yr	Asphalt	8760 hr/yr
EQT 0049	24-96 - VTB/Asphalt Storage Tank (TK 2-39)	105000 gallons	13.39 MM gallons/yr	13.39 MM gallons/yr	Asphalt	8760 hr/yr
EQT 0050	25-96 - VTB/Asphalt Storage Tank (TK 2-40)	105000 gallons	13.39 MM gallons/yr	13.39 MM gallons/yr	Asphalt	8760 hr/yr
EQT 0051	26-96 - VTB/Asphalt Storage Tank (TK 2-41)	105000 gallons	13.39 MM gallons/yr	13.39 MM gallons/yr	Asphalt	8760 hr/yr
EQT 0052	27-96 - VTB/Asphalt Storage Tank (TK 2-42)	105000 gallons	13.39 MM gallons/yr	13.39 MM gallons/yr	Asphalt	8760 hr/yr
EQT 0058	33-96 - Hot Oil Heater		5.9 MM BTU/hr	5 MM BTU/hr		8760 hr/yr
EQT 0072	21-78A - Barge Loading (Asphalt Blending Facility)		48.2 MM gallons/yr	48.2 MM gallons/yr		8760 hr/yr
FUG 0002	39-96 - Fugitive Equipment Leaks (Asphalt Plant)					8760 hr/yr

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
Asphalt Blending Facility							
EQT 0017	16-78 - VTB/Asphalt Storage Tank (TK 80-02)			1		41	380
EQT 0025	4-91 - VTB/Asphalt Storage Tank (TK 55-17)			1		41	380
EQT 0027	1-96 - VTB/Asphalt Storage Tank (TK 30-19)			1		41	380
EQT 0033	8-96 - Asphalt Tanker Truck Loading Rack			1		15	380
EQT 0035	10-96 - VTB/Asphalt Storage Tank (TK 30-20)			1		41	380
EQT 0036	11-96 - VTB/Asphalt Storage Tank (TK 2-26)			1		31	380
EQT 0037	12-96 - VTB/Asphalt Storage Tank (TK 2-27)			1		31	380
EQT 0038	13-96 - VTB/Asphalt Storage Tank (TK 2-28)			1		31	380

INVENTORIES

AI ID: 13058 - Pelican Refining Co LLC
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 Air - Minor (Synthetic) Modification

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
Asphalt Blending Facility							
EQT 0039	15-96 - VTB/Asphalt Storage Tank (TK 5-30)			1		31	380
EQT 0040	14-96 - VTB/Asphalt Storage Tank (TK 2-29)			1		31	380
EQT 0041	16-96 - VTB/Asphalt Storage Tank (TK 5-31)			1		31	380
EQT 0045	20-96 - VTB/Asphalt Storage (TK-5-35)			1		31	380
EQT 0046	21-96 - VTB/Asphalt Storage Tank (TK-5-36)			1		31	380
EQT 0047	22-96 - VTB/Asphalt Storage Tank (TK 2-37)			1		31	380
EQT 0048	23-96 - VTB/Asphalt Storage Tank (TK 2-38)			1		31	380
EQT 0049	24-96 - VTB/Asphalt Storage Tank (TK 2-39)			1		31	380
EQT 0050	25-96 - VTB/Asphalt Storage Tank (TK 2-40)			1		31	380
EQT 0051	26-96 - VTB/Asphalt Storage Tank (TK 2-41)			1		31	380
EQT 0052	27-96 - VTB/Asphalt Storage Tank (TK 2-42)			1		31	380
EQT 0058	33-96 - Hot Oil Heater	15.4	2900	2		30	900
EQT 0072	21-78A - Barge Loading (Asphalt Blending Facility)			4		25	380
FUG 0002	39-96 - Fugitive Equipment Leaks (Asphalt Plant)				23100	15	

Relationships:

Subject Item Groups:

ID	Group Type	Group Description
CRG 0004	Common Requirements Group	- Tanks (VP<0.5 psia)
UNF 0002	Unit or Facility Wide	- Asphalt Blending Facility

Group Membership:

ID	Description	Member of Groups
EQT 0017	16-78 - VTB/Asphalt Storage Tank (TK 80-02)	CRG000000000004
EQT 0025	4-91 - VTB/Asphalt Storage Tank (TK 55-17)	CRG000000000004
EQT 0027	1-96 - VTB/Asphalt Storage Tank (TK 30-19)	CRG000000000004
EQT 0035	10-96 - VTB/Asphalt Storage Tank (TK 30-20)	CRG000000000004
EQT 0036	11-96 - VTB/Asphalt Storage Tank (TK 2-26)	CRG000000000004
EQT 0037	12-96 - VTB/Asphalt Storage Tank (TK 2-27)	CRG000000000004
EQT 0038	13-96 - VTB/Asphalt Storage Tank (TK 2-28)	CRG000000000004
EQT 0039	15-96 - VTB/Asphalt Storage Tank (TK 5-30)	CRG000000000004
EQT 0040	14-96 - VTB/Asphalt Storage Tank (TK 2-29)	CRG000000000004
EQT 0041	16-96 - VTB/Asphalt Storage Tank (TK 5-31)	CRG000000000004
EQT 0045	20-96 - VTB/Asphalt Storage (TK-5-35)	CRG000000000004

INVENTORIES

AI ID: 13058 - Pelican Refining Co LLC
 Activity Number: PER20080011
 Permit Number: 2932-01
 Air - Minor (Synthetic) Modification

Group Membership:

ID	Description	Member of Groups
EQT 0046	21-96 - VTBI/Asphalt Storage Tank (TK-5-36)	CRG000000000004
EQT 0047	22-96 - VTBI/Asphalt Storage Tank (TK 2-37)	CRG000000000004
EQT 0048	23-96 - VTBI/Asphalt Storage Tank (TK 2-38)	CRG000000000004
EQT 0049	24-96 - VTBI/Asphalt Storage Tank (TK 2-39)	CRG000000000004
EQT 0050	25-96 - VTBI/Asphalt Storage Tank (TK 2-40)	CRG000000000004
EQT 0051	26-96 - VTBI/Asphalt Storage Tank (TK 2-41)	CRG000000000004
EQT 0052	27-96 - VTBI/Asphalt Storage Tank (TK 2-42)	CRG000000000004

NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

Annual Maintenance Fee:

Fee Number	Air Contaminant Source	Multiplier	Units Of Measure
0720	0720 Petroleum Refining (Rated Capacity)	18	M bbl/day

SIC Codes:

2911	Petroleum refining	AI 13058
2951	Asphalt paving mixtures and blocks	UNF 002

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 13058 - Pelican Refining Co LLC
 Activity Number: PER20080011
 Permit Number: 2932-01
 Air - Minor (Synthetic) Modification

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
Asphalt Blending Facility															
EQT 0017 16-78													0.73		3.19
EQT 0025 4-91													0.51		2.21
EQT 0027 1-96													0.29		1.26
EQT 0033 8-96													0.53		2.33
EQT 0035 10-96													0.29		1.26
EQT 0036 11-96													0.03		0.12
EQT 0037 12-96													0.03		0.12
EQT 0038 13-96													0.03		0.12
EQT 0039 15-96													0.03		0.12
EQT 0040 14-96													0.06		0.25
EQT 0041 16-96													0.06		0.25
EQT 0045 20-96													0.06		0.25
EQT 0046 21-96													0.06		0.25
EQT 0047 22-96													0.03		0.12
EQT 0048 23-96													0.03		0.12
EQT 0049 24-96													0.03		0.12
EQT 0050 25-96													0.03		0.12
EQT 0051 26-96													0.03		0.12
EQT 0052 27-96													0.03		0.12
EQT 0058 33-96	0.41	0.49	1.80	0.49	0.58	2.15	0.04	0.04	0.16	<0.01	<0.01	0.01	0.03	0.03	0.12
EQT 0072 21-78A													2.45	2.94	0.40
FUG 0002 39-96													0.94		4.10

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 13058 - Pelican Refining Co LLC

Activity Number: PER20080011

Permit Number: 2932-01

Air - Minor (Synthetic) Modification

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0058 33-96	Benzene	<0.001	<0.001	<0.01
	Copper (and compounds)	<0.001	<0.001	<0.01
	Formaldehyde	<0.001	<0.001	<0.01
	Nickel (and compounds)	<0.001	<0.001	<0.01
	Toluene	<0.001	<0.001	<0.01
UNF 0002	Benzene			<0.01
	Copper (and compounds)			<0.01
	Formaldehyde			<0.01
	Nickel (and compounds)			<0.01
	Toluene			<0.01

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rates attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.

SPECIFIC REQUIREMENTS

AI ID: 13058 - Pelican Refining Co LLC
 Activity Number: PER20080011
 Permit Number: 2932-01
 Air - Minor (Synthetic) Modification

CRG 0004 - Tanks (VP<0.5 psia)

- Group Members: EQT 0017EQT 0025EQT 0027EQT 0035EQT 0036EQT 0037EQT 0038EQT 0039EQT 0040EQT 0041EQT 0045EQT 0046EQT 0047EQT 0048EQT 0049EQT 0050EQT 0051EQT 0052
- 1 [40 CFR 60.116b] Shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel for at least 2 years.
 - 2 [40 CFR 60.472.c] Opacity <= 0 percent, except for one consecutive 15-minute period in any 24-hour period when the transfer lines are being blown for clearing. Do not bypass the control device during this 15-minute period. If emissions from any asphalt storage tank(s) are ducted to a control device for a saturator, meet the emission limit contained in 40 CFR 60.472(a) for the combined emissions during the time the saturator control device is operating. Subpart UU. [40 CFR 60.472(c)]
 Which Months: All Year Statistical Basis: None specified
 Method 9 and the procedures in 40 CFR 60.11 shall be used to determine opacity. [40 CFR 60.474(c)(5)]
 - 3 [40 CFR 60.474.c.5]

EQT 0058 33-96 - Hot Oil Heater

- 4 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
 Which Months: All Year Statistical Basis: None specified
 Total suspended particulate <= 0.6 lb/MMBTU of heat input.
 Which Months: All Year Statistical Basis: None specified
- 5 [LAC 33:III.1313.C]

FUG 0002 39-96 - Fugitive Equipment Leaks (Asphalt Plant)

- 6 [40 CFR 60.592.a] Comply with the requirements of 40 CFR 60.482-1 to 482-10 as soon as practicable, but no later than 180 days after initial startup. Subpart GGG. [40 CFR 60.592(a)]
- 7 [40 CFR 60.592.d] Comply with the provisions of 40 CFR 60.485 except as provided in 40 CFR 60.593. Subpart GGG. [40 CFR 60.592(d)]
- 8 [40 CFR 60.592.e] Comply with the provisions of 40 CFR 60.486 and 60.487. Subpart GGG. [40 CFR 60.592(e)]
- 9 [LAC 33:III.2122.C.1.c] Repair according to LAC 33:III.2122.C.3 any regulated component observed leaking by sight, sound, or smell, regardless of the leak's concentration, except those covered under LAC 33:III.2122.C.1.d.
- 10 [LAC 33:III.2122.C.1.d] Pumps and valves in heavy liquid service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 within 5 days if observed leaking by sight, sound, or smell. Repair according to LAC 33:III.2122.C.3 if the pump or valve is determined to be leaking in excess of the applicable limits given in LAC 33:III.2122.
 Which Months: All Year Statistical Basis: None specified
 Do not locate any valve, except safety pressure relief valves, at the end of a pipe or line containing volatile organic compounds unless the end of such line is sealed with a second valve, a blind flange, a plug, or a cap. Remove such sealing devices only when the line is in use, for example, when a sample is being taken. When the line has been used and is subsequently resealed, close the upstream valve first, followed by the sealing device.
- 11 [LAC 33:III.2122.C.2]
- 12 [LAC 33:III.2122.C.3] Make every reasonable effort to repair a leaking component, as described in LAC 33:III.2122, within 15 days, except as provided.

SPECIFIC REQUIREMENTS

AI ID: 13058 - Pelican Refining Co LLC

Activity Number: PER20080011

Permit Number: 2932-01

Air - Minor (Synthetic) Modification

FUG 0002 39-96 - Fugitive Equipment Leaks (Asphalt Plant)

- 13 [LAC 33:III.2122.C.4] Determine the percent of leaking components at a process unit for a test period using the equation in LAC 33:III.2122.C.4.
- 14 [LAC 33:III.2122.C.5] Determine the total percent of leaking and unrepairable components using the equation in LAC 33:III.2122.C.5.
- 15 [LAC 33:III.2122.D.1.a] Process drains: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (one time per year). If a reading of 1,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2122.C.3.
Which Months: All Year Statistical Basis: None specified
- 16 [LAC 33:III.2122.D.1.b.i] Compressor seals: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times a year). If a reading of 5,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2122.C.3.
Which Months: All Year Statistical Basis: None specified
- 17 [LAC 33:III.2122.D.1.b.ii] Pressure relief valves in gas service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times a year). If a reading of 1,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2122.C.3.
Which Months: All Year Statistical Basis: None specified
- 18 [LAC 33:III.2122.D.1.b.iii] Valves in light liquid service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times a year). If a reading of 1,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2122.C.3. Permittee may elect to comply with the alternate standards for valves in LAC 33:III.2122.E (skip period provisions).
Which Months: All Year Statistical Basis: None specified
- 19 [LAC 33:III.2122.D.1.b.iv] Pumps in light liquid service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times a year). If a reading of 5,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2122.C.3.
Which Months: All Year Statistical Basis: None specified
- 20 [LAC 33:III.2122.D.1.b.v] Valves in gas service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times a year). If a reading of 1,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2122.C.3. Permittee may elect to comply with the alternate standards for valves in LAC 33:III.2122.E (skip period provisions).
Which Months: All Year Statistical Basis: None specified
- 21 [LAC 33:III.2122.D.1.c] Pumps: Seal or closure mechanism monitored by visual inspection/determination weekly (52 times a year).
Which Months: All Year Statistical Basis: None specified
- 22 [LAC 33:III.2122.D.1.d.i] Flanged connectors: Presence of a leak monitored by visual, audible, and/or olfactory weekly.
Which Months: All Year Statistical Basis: None specified
- 23 [LAC 33:III.2122.D.1.c] Instrumentation systems: Presence of a leak monitored by visual, audible, and/or olfactory weekly.
Which Months: All Year Statistical Basis: None specified
- 24 [LAC 33:III.2122.D.3.a] Pressure relief valves: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 within 24 hours after venting to the atmosphere. If a reading of 1,000 ppmv or greater (for petroleum refineries, SOCM, MTBE, and polymer manufacturing industry) or 2,500 ppmv or greater (for natural gas processing plants) is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2122.C.3.
Which Months: All Year Statistical Basis: None specified
- 25 [LAC 33:III.2122.D.3.b] All components: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 upon each occurrence of a leak detected by sight, smell, or sound, unless electing to implement actions as specified in LAC 33:III.2122.C.3.
Which Months: All Year Statistical Basis: None specified
- 26 [LAC 33:III.2122.D.3.c] Inaccessible valves: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (at a minimum).
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 13058 - Pelican Refining Co LLC
Activity Number: PER20080011
Permit Number: 2932-01
Air - Minor (Synthetic) Modification

FUG 0002 39-96 - Fugitive Equipment Leaks (Asphalt Plant)

- 27 [LAC 33:III.2122.D.3.d] Unsafe-to-monitor valves: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 upon each occurrence of conditions allowing these valves to be monitored safely.
 Which Months: All Year Statistical Basis: None specified
 When a component which has a leak that cannot be repaired, as described in LAC 33:III.2122.C, is located, affix to the leaking component a weatherproof and readily visible tag bearing an identification number and the date the leak is located. Remove the tag after the leak has been repaired.
- 29 [LAC 33:III.2122.F] Equipment/operational data recordkeeping by survey log upon each occurrence of a leak. Include the leaking component information specified in LAC 33:III.2122.F.2.a through j. Retain the survey log for two years after the latter date specified in LAC 33:III.2122.F.2 and make said log available to DEQ upon request.
- 30 [LAC 33:III.2122.G] Submit report: Due semiannually, by the 31st of January and July, to the Office of Environmental Assessment, Air Quality Assessment Division. Include the information specified in LAC 33:III.2122.G.1 through 6 for each calendar quarter during the reporting period.

UNF 0002 - Asphalt Blending Facility

- 31 [40 CFR 60] All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A.
- 32 [LAC 33:III.1103] Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited.
- 33 [LAC 33:III.1109.B] Outdoor burning of waste material or other combustible material is prohibited.
- 34 [LAC 33:III.1303.B] Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited.
- 35 [LAC 33:III.2113.A] Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5.
- 36 [LAC 33:III.2125] Shall comply all applicable requirements of LAC 33:III. 2125.
- 37 [LAC 33:III.2141] Shall comply all applicable requirements of LAC 33:III.2141.
- 38 [LAC 33:III.219] Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.
- 39 [LAC 33:III.2901.D] Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited.
- 40 [LAC 33:III.2901.F] If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G.

SPECIFIC REQUIREMENTS

AI ID: 13058 - Pelican Refining Co LLC
 Activity Number: PER20080011
 Permit Number: 2932-01
 Air - Minor (Synthetic) Modification

UNF 0002 - Asphalt Blending Facility

- 42 [LAC 33:III.501.C.6] Throughput Crude oil Submit report: Due annually, by the 31st of March. Report the crude oil throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.
- 43 [LAC 33:III.501.C.6] Crude Oil Throughput \leq 18000 bbl/day. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if total crude oil throughput exceeds the maximum listed in this specific condition for any twelve consecutive month period.
- 44 [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: Twelve-month rolling average (rolling 1-month basis)
 Crude oil Throughput: monitored by technically sound method monthly.
- 45 [LAC 33:III.5611.A] Which Months: All Year Statistical Basis: Twelve-month rolling average (rolling 1-month basis)
 Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency: Due within 30 days after requested by the administrative authority
- 46 [LAC 33:III.5611.B] During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations.
- 47 [LAC 33:III.Chapter 9] Shall comply all applicable requirements of LAC 33:III.Chapter 9.

BOBBY JINDAL
GOVERNOR



HAROLD LEGGETT, PH.D.
SECRETARY

State of Louisiana
DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

Certified Mail No.:

Activity No.: PER20080002
Agency Interest No.: 13058

Mr. Alvin Koolman
Pelican Refining Company, LLC
4646 Hwy. 3059
Lake Charles, LA 70615

RE: Permit Modification, Lake Charles Refinery, Pelican Refining Co LLC, Lake Charles, Calcasieu Parish, Louisiana

Dear Mr. Koolman:

This is to inform you that the permit modification request for the above referenced facility has been approved under LAC 33:III.501. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets, and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Also enclosed is a document entitled "General Information." Please be advised that this document contains a summary of facility-level information contained in LDEQ's TEMPO database and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Permit Support Services, at (225) 219-3284 or email your changes to facupdate@la.gov.

The permit number cited below and agency interest number cited above should be referenced in future correspondence regarding this facility.

Done this _____ day of _____, 2009.

Permit No.: 0520-00027-04

Sincerely,

Cheryl Sonnier Nolan
Assistant Secretary
CSN:TVN

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Lake Charles Refinery
Agency Interest No.: 13058
Pelican Refining Co LLC
Lake Charles, Calcasieu Parish, Louisiana**

I. BACKGROUND

This Lake Charles refinery was constructed in the late 70s. The ownership of the refinery was transferred from American International Refinery, Inc. (AIRI) to Gold Line Refinery, Ltd. on September 26, 1991. AIRI regained operational control of the refinery in March 1997. Ownership of the refinery was transferred to Pelican Refining Company, L.L.C. on March 10, 2005. The refinery was permitted under Part 70 Permit 0520-00027-V0 issued February 4, 2003 and Title V Permit No. 0520-00027-V1 dated June 21. The asphalt plant was constructed in 1996 and was permitted under State Permit 0520-000183-02 granted May 27, 1998 and a general Title V permit No. 2932-V0 dated July 6, 2005. Since 2005 this facility including Lake Charles Refinery and Asphalt Plant, has been in the processes of resuming normal operation. Currently, Lake Charles Refinery and Asphalt Plant operate under same Permit No. 0520-00027-V2 dated January 8, 2007.

II. ORIGIN

A permit application dated June 6, 2008 was submitted requesting a permit modification. Additional information dated November 3, 2008 and November 13, 2008 and December 31, 2008 was also received.

III. DESCRIPTION

The petroleum refinery receives crude oil via either barge or tanker truck. The crude oil is separated into various petroleum fractions, including liquefied petroleum gas (LPG), naphtha, refined petroleum products, and atmospheric tower bottoms (ATB) or reduced crude. The reduced crude is distilled further to produce vacuum gas oil (VGO) and vacuum tower bottoms (VTB). The VTB is used to produce an asphalt product. The petroleum products from the facility are sold and transported off-site by barge or tanker truck.

The main petroleum refining process units at this facility are:

- Atmospheric Distillation Unit (ADU),
- Vacuum Distillation Unit (VDU), and
- Asphalt Production Unit.

In this modification, Pelican requested the following:

1. Incorporated the VDU Pre-Flash Tower;
2. Added Fugitive Equipment Leaks (Docks) (Source ID 1-08); Fugitive Equipment Leaks (Tanks) (Source ID 2-08) and Fugitive Equipment Leaks (Tanks) (Source ID 2-08);
3. Corrected the Tank TK-502 to the Tank TK-500 (Source ID 4-99, EQT064);

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Lake Charles Refinery
Agency Interest No.: 13058
Pelican Refining Co LLC
Lake Charles, Calcasieu Parish, Louisiana**

4. Deleted following emission points due to Non-Operational or Non-Existent Emission Source:

Crude Heaters (H1& H2) (Source ID 1-78, Crude Heaters (H3 & H4) (Source ID 1-80, EQT022), Fugitive Emissions (ADU) (Source ID 22-78, FUG001), Intermediate Petroleum Product Tank (TK-30-25) (Source 6-96, EQT032), Cooling Tower No.2 (Source ID 30-96, EQT055), Cooling Tower No.3 (Source ID 31-96, EQT056), Spent Caustic Storage Tank (TK-504, EQT066) and Jet Fuel Additive Tank (TK-14);

5. Currently the Refinery and Asphalt plant operate under 0520-00027-V2, issued on January 8, 2007. Pelican requested to have separate air permits for the Refinery and Asphalt Plant.
So this permit covers only emission sources at the refinery.

Estimated emissions from the Refinery in tons per year are as follows:

Pollutant	Before**	After	Change
PM ₁₀	23.31	6.30	-17.01
SO ₂	29.43	13.39	-16.04
NO _x	131.27	71.40	-59.87
CO	89.67	41.06	-48.61
VOC ¹	122.95	53.79	-69.16
H ₂ S	3.68	-	-3.68
Metal*	-	<0.01	+ <0.01

** Before emissions included emissions from both Lake Charles Refinery and Asphalt Plant

¹VOC speciation in tons per year:

LAC 33:III. Chapter 51 Toxic Air Pollutants TAP's:

Pollutant	Before	After	Change
1,3- Butadiene	-	0.10	+ 0.10
2,2,4 -Trimethylpentane	-	0.03	+0.03
Benzene	1.95	0.66	-1.29
Biphenyl	-	<0.01	+<0.01
Cresols	-	<0.01	+<0.01
Cumene	-	0.06	+0.06
Ethyl benzene	0.75	0.19	-0.56
Formaldehyde	0.12	<0.01	-0.12

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Lake Charles Refinery
Agency Interest No.: 13058
Pelican Refining Co LLC
Lake Charles, Calcasieu Parish, Louisiana

Pollutant	Before	After	Change
n-Hexane	5.21	0.57	-4.64
Naphthalene	0.51	< 0.01	-0.51
Polynuclear aromatic hydrocarbon (PAH)	0.49	-	-0.49
Phenol	-	<0.01	+<0.01
Toluene	1.62	0.52	-1.10
Xylene	1.34	0.39	-0.95
Total VOC TAPs	11.99	2.52	-9.47
Metals*			
Copper	-	< 0.01	+ < 0.01
Nickel	-	< 0.01	+ < 0.01

Estimated emissions from each area, as well as the combined total emissions from the site, in tons per year, are as follows:

	Proposed Permit No.	PM ₁₀	SO ₂	NO _x	CO	VOC***
Pelican Refinery	0520-00027-04	6.30	13.39	71.40	41.06	76.30
Asphalt Blending Facility	2932-01	0.16	0.01	2.15	1.80	21.29
Total		6.46	13.40	73.55	42.86	97.59

VOC*** include GCXVII Activity Emissions.

IV. TYPE OF REVIEW

This permit was reviewed for compliance with Louisiana Air Quality Regulations and New Source Performance Standards (NSPS). Prevention of Significant Deterioration (PSD) and National Emission Standards for Hazardous Air Pollutants (NESHAP) do not apply.

This facility is a minor source of LAC 33:III.Chapter 51 Toxic Air Pollutants (TAPs).

V. PUBLIC NOTICE

Federally enforceable conditions are used to maintain VOC emissions from the facility below the Title V major source threshold of 100 TPY. A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on <date>, 200X; and in the <local paper>, <local

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Lake Charles Refinery
Agency Interest No.: 13058
Pelican Refining Co LLC
Lake Charles, Calcasieu Parish, Louisiana

town>, on <date>, 200X. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>. All comments will be considered prior to the final permit decision.

VI. EFFECTS ON AMBIENT AIR

Emissions associated with the proposed modification were reviewed by the Air Quality Assessment Division to ensure compliance with the NAAQS and AAS. LDEQ did not require the applicant to model emissions.

Dispersion Model(s) Used: None

Pollutant	Time Period	Calculated Maximum Ground Level Concentration	Louisiana Ambient Air Quality Standard (NAAQS)

VII. GENERAL CONDITION XVII ACTIVITIES

Work Activity	Schedule	Emission Rates - tons					
		PM ₁₀	SO ₂	NO _x	CO	VOC	H ₂ S
Laboratory Emissions	365 days/year					0.10	
Pump & Valve Maintenance	4 times/year					0.08	0.01
Tank 10-09 Landing	10 days/year					0.53	
Tank 10-10 Landing	10 days/year					0.53	
Tank 10-11 Landing	10 days/year					Neg	
Tank 10-12 Landing	10 days/year					Neg	
Tank 110-15 Landing	10 days/year					3.51	
Tank 110-16 Landing	10 days/year					3.51	
Tank 15-05 Landing	10 days/year					2.09	
Tank 15-06 Landing	10 days/year					2.09	
Tank 40-03 Landing	10 days/year					1.19	
Tank 55-01 Landing	10 days/year					2.51	
Tank Cleaning	1 time/year					3.06	0.28
Unit Cleaning & Maintenance	2 times/year					1.65	
Vacuum Truck Loading	2 times/year					1.65	0.28

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
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**Lake Charles Refinery
Agency Interest No.: 13058
Pelican Refining Co LLC
Lake Charles, Calcasieu Parish, Louisiana**

VIII. INSIGNIFICANT ACTIVITIES

ID No.:	Description	Citation
-	Fresh Caustic Storage Tank (2,500 gal)	LAC 33:III.501.B.5.A.4
-	Lube Oil Drums (55 gal)	LAC 33:III.501.B.5.A.3
-	3 Diesel Storage Tanks (500 gal/each)	LAC 33:III.501.B.5.A.3
-	Diesel Storage Tank (300 gal)	LAC 33:III.501.B.5.A.3
-	Water Soften System (three 200-gal tanks)	I LAC 33:III.501.B.5.A.4
-	Fresh Caustic Storage Tank (10,500 gal)	LAC 33:III.501.B.5.A.4
-	Caustic Mix Tank (10,500 gal)	LAC 33:III.501.B.5.A.4
-	Laboratory Emissions	LAC 33:III.501.B.5.A.6
-	Maintenance Sandblasting and Painting	LAC 33:III.501.B.5.B.3
-	Vapor Degreaser (55 gal)	LAC 33:III.501.B.5.A.3
-	Boiler Feed Water Tank (1,900 bbls)	LAC 33:III.501.B.5.B.8

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.

- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.

- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application dated June 6, 2008. Additional information dated November 3, 2008, November 13, 2008, and December 31, 2008.

- IV. This permit shall become invalid, for the sources not constructed, if:
 - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
 - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.

The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.

This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.

- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.

- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.

- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.

- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.

- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Enforcement Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Enforcement Division with a written report as specified below.
- A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 - B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
 - C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
 1. Report by June 30 to cover January through March
 2. Report by September 30 to cover April through June
 3. Report by December 31 to cover July through September
 4. Report by March 31 to cover October through December
 - D. Each report submitted in accordance with this condition shall contain the following information:
 1. Description of noncomplying emission(s);
 2. Cause of noncompliance;
 3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
 4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
 5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
 - E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:
- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
 - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
 - C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
 - D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.
- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.
- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services in accordance with LAC 33:I.Chapter 19.Facility Name and Ownership/Operator Changes Process.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
 2. Be less than the minimum emission rate (MER)
 3. Be scheduled daily, weekly, monthly, etc., or
 4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]

These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.

- XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

- XIX. For Part 70 sources, certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

General Information

AI ID: 13058 Pelican Refining Co LLC
Activity Number: PER20080011
Permit Number: 2932-01
Air - Minor Source/Small Source Mod

Related People:	Name	Mailing Address	Phone (Type)	Relationship
	James Taylor	4646 Hwy 3059 (Old Town Rd) Lake Charles, LA 70615	3374918806 (WP)	Emission Inventory Contact for
	James Taylor	4646 Hwy 3059 (Old Town Rd) Lake Charles, LA 70615	JT@PELICANREFIN	Emission Inventory Contact for
	James Taylor	4646 Hwy 3059 (Old Town Rd) Lake Charles, LA 70615	3374918806 (WP)	Responsible Official for
	James Taylor	4646 Hwy 3059 (Old Town Rd) Lake Charles, LA 70615	JT@PELICANREFIN	Responsible Official for

Related Organizations:	Name	Address	Phone (Type)	Relationship
	Pelican Refining Co LLC	3355 W Alabama St Ste 575 Houston, TX 77098	7138776780 (WP)	Owns
	Pelican Refining Co LLC	3355 W Alabama St Ste 575 Houston, TX 77098	7138776780 (WP)	Emission Inventory Billing Party
	Pelican Refining Co LLC	3355 W Alabama St Ste 575 Houston, TX 77098	7138776780 (WP)	Operates
	Pelican Refining Co LLC	500 Kirby St Lake Charles, LA 70601		Operates
	Pelican Refining Co LLC	3355 W Alabama St Ste 575 Houston, TX 77098	7138776780 (WP)	Water Billing Party for
	Pelican Refining Co LLC	3355 W Alabama St Ste 575 Houston, TX 77098	7138776780 (WP)	Air Billing Party for
	Spooner & Associates Inc	PO Box 12685 Lake Charles, LA 706122685	3375621569 (WP)	Provides environmental services for
	Spooner & Associates Inc	PO Box 12685 Lake Charles, LA 706122685	3375621568 (HP)	Provides environmental services for

NAIC Codes: 32411, Petroleum Refineries

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-0775 or email your changes to facupdate@la.gov.

General Information

AI ID: 13058 Pelican Refining Co LLC
Activity Number: PER20080011
Permit Number: 2932-01
Air - Minor Source/Small Source Mod

Also Known As:

ID	Name	User Group	Start Date
0520-00027	Pelican Refining Co LLC	CDS Number	08-05-2002
74-2570362	Federal Tax ID	Federal Tax ID	11-21-1999
LAD092476126	Pelican Refining Co LLC	Hazardous Waste Notification	03-23-2006
0520-00027	Pelican Refining Co LLC...	Historic Emission Inventory System (EIS) ID	03-01-2004
GP9326	LPDES #	LPDES Permit #	11-21-1999
LA0054399	LPDES #	LPDES Permit #	06-25-2003
LAG670039	LPDES #	LPDES Permit #	12-13-1999
WP0197	LWDPS #	LWDPS Permit #	06-25-2003
	Pelican Refining Co LLC	Multimedia	12-29-2004
GD-019-2704	American International Refinery Inc	Solid Waste	01-08-2002
G-019-3295	Site ID #	Solid Waste Facility No.	11-21-1999
19450	American International Refinery - Lake Charles Facility	TEMPO Merge	10-26-2000
31238	Gold Line Refining Ltd	TEMPO Merge	02-15-2001
3391	Lake Charles Refining Co	TEMPO Merge	02-15-2001
47217	Gold Line Refining Ltd - Lake Charles	TEMPO Merge	02-15-2001
48879	American International Refinery Inc	TEMPO Merge	10-30-2000
68805	American International Refinery Inc	TEMPO Merge	10-30-2000
70616GLDLN4646H	TRI #	Toxic Release Inventory	07-29-2004
WQC 020919-04	Water Quality Certification #	Water Certification	01-13-2003

Physical Location:

4646 Hwy 3059
 Lake Charles, LA 70601

Main FAX: 7138777192
 Main Phone: 7138776780

Mailing Address:

3355 W Alabama St Ste 575
 Houston, TX 77098

Location of Front Gate: 30° 17' 8" latitude, 93° 7' 53" longitude. Coordinate Method: Lat, Long - DMS, Coordinate Datum: NAD83

Related People:

Name	Mailing Address	Phone (Type)	Relationship
Betty Clark	PO Drawer 16867 Lake Charles, LA 706168667	3184394066 (WP)	Accident Prevention Billing Party for
Ryan Gigger	PO Drawer 16867 Lake Charles, LA 70616	3374394066 (WP)	Hazardous Waste Permit Contact For
Byron Hamilton	8 Greenway Plaza Ste 930 Houston, TX 77046	7138776780 (WP)	Responsible Official for
Byron Hamilton	8 Greenway Plaza Ste 930 Houston, TX 77046	7138776780 (WP)	Water Permit Contact For
Byron Hamilton	8 Greenway Plaza Ste 930 Houston, TX 77046	7138776780 (WP)	Air Permit Contact For
Alvin Koolman	4646 Hwy 3059 (Old Town Rd) Lake Charles, LA 70615	3374918800 (WP)	Responsible Official for
Alvin Koolman	4646 Hwy 3059 (Old Town Rd) Lake Charles, LA 70615	alvin.koolman@pelic	Responsible Official for

INVENTORIES

AI ID: 13058 - Pelican Refining Co LLC
Activity Number: PER20080002
Permit Number: 0520-00027-04
Air - Minor (Synthetic) Modification

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Lake Charles Refinery						
EQT 0003	4-78 - Plant Flare	4.62 million gallons	1.57 MM BTU/hr	1.57 MM BTU/hr		8760 hr/yr
EQT 0005	3-91 - Crude Oil Storage Tank (TK 110-16)	420000 gallons	115.63 MM gallons/yr	96.36 MM gallons/yr	Crude Oil	8760 hr/yr
EQT 0006	5-78 - Naphtha Storage Tank (TK 10-09)	420000 gallons	36.8 MM gallons/yr	30.7 MM gallons/yr		8760 hr/yr
EQT 0007	6-78 - Naphtha Storage Tank (TK 10-10)	420000 gallons	36.79 MM gallons/yr	30.66 MM gallons/yr		8760 hr/yr
EQT 0008	7-78 - Crude Oil Storage Tank (TK 55-01)	2.31 million gallons	57.81 MM gallons/yr	48.18 MM gallons/yr		8760 hr/yr
EQT 0009	8-78 - Intermediate Petroleum Product Tank (TK 10-11)	420000 gallons	149.01 MM gallons/yr	124.17 MM gallons/yr	Intermediate Petroleum Product	8760 hr/yr
EQT 0010	9-78 - Intermediate Petroleum Product Tank (TK 10-12)	420000 gallons	149.01 MM gallons/yr	124.17 MM gallons/yr	Intermediate Petroleum Product	8760 hr/yr
EQT 0011	10-78 - Crude Oil Storage Tank (TK 40-03)	1.68 million gallons	42.05 MM gallons/yr	35 MM gallons/yr	Crude Oil	8760 hr/yr
EQT 0012	11-78 - Intermediate Petroleum Product Tank (TK 10-13)	420000 gallons	74.5 MM gallons/yr	62.09 MM gallons/yr	Intermediate Petroleum Product	8760 hr/yr
EQT 0013	12-78 - Intermediate Petroleum Product Tank (TK 10-14)	420000 gallons	74.5 MM gallons/yr	62.09 MM gallons/yr	Intermediate Petroleum Product	8760 hr/yr
EQT 0014	13-78 - Intermediate Petroleum Product Tank (TK 30-04)	1.26 million gallons	149.01 MM gallons/yr	124.17 MM gallons/yr	Intermediate Petroleum Product	8760 hr/yr
EQT 0015	14-78 - Intermediate Petroleum Product Tank (TK 10-07)	420000 gallons	98.98 MM gallons/yr	82.48 MM gallons/yr	Wastewater	8760 hr/yr
EQT 0016	15-78 - Intermediate Petroleum Product Tank (TK 10-08)	420000 gallons	74.5 MM gallons/yr	62.09 MM gallons/yr	Intermediate Petroleum Product	8760 hr/yr
EQT 0018	17-78 - Naphtha Storage Tank (TK 15-05)	630000 gallons	36.79 MM gallons/yr	30.66 MM gallons/yr		8760 hr/yr
EQT 0019	18-78 - Naphtha Storage Tank (TK 15-06)	630000 gallons	36.79 MM gallons/yr	30.66 MM gallons/yr		8760 hr/yr
EQT 0020	20-78 - Tank Truck Loading Rack		16800 gallons/hr	16800 gallons/hr		163 hr/yr
EQT 0021	21-78 - Barge Loading (Refinery)		105000 gallons/hr	105000 gallons/hr		2114 hr/yr
EQT 0023	5-80 - Crude Oil Storage Tank (TK 110-15)	4.62 million gallons	115.63 MM gallons/yr	96.36 MM gallons/yr		8760 hr/yr
EQT 0024	1-90 - Vacuum Distillation Unit Heater		80.1 MM BTU/hr	66.8 MM BTU/hr		8760 hr/yr
EQT 0026	5-91 - Intermediate Petroleum Product Tank (TK 55-18)	2.31 million gallons	199.68 MM gallons/yr	165.56 MM gallons/yr	Intermediate Petroleum Product	8760 hr/yr
EQT 0061	1-99 - Slop Oil Tank (TK 1-02)	19170 gallons	355332 gallons/yr	296110 gallons/yr		8760 hr/yr
EQT 0063	3-99 - Fire Water Pump - Diesel Engine Driver		225 horsepower	225 horsepower		550 hr/yr
EQT 0064	4-99 - Spent Caustic Storage Tank (TK-500)	10500 gallons	132000 gallons/yr	110000 gallons/yr		8760 hr/yr
EQT 0065	5-99 - Spent Caustic Storage Tank (TK-503)	25200 gallons	312000 gallons/yr	260000 gallons/yr		8760 hr/yr
EQT 0067	7-99 - Instrument Back-up Compressor		80 horsepower	80 horsepower		550 hr/yr
EQT 0069	11-99 - Desalter Water Storage Tank (TK-103)	42000 gallons	3.98 MM gallons/yr	3.32 MM gallons/yr		8760 hr/yr
EQT 0070	2-78 - Boiler B-482		54 MM BTU/hr	45 MM BTU/hr		8760 hr/yr
EQT 0071	1-98 - Boiler B-483		54 MM BTU/hr	45 MM BTU/hr		8760 hr/yr
FUG 0003	12-99 - Fugitive Equipment Leaks (VDU)					8760 hr/yr
FUG 0004	1-08 - Fugitive Equipment Leaks (Docks)					8760 hr/yr
FUG 0005	2-08 - Fugitive Equipment Leaks (Tanks)					8760 hr/yr
FUG 0006	3-08 - Fugitive Equipment Leaks (Crude)					8760 hr/yr
TRT 0001	8-99 - Wastewater Collection & Treatment	92000 gallons	66240 gallons/day	55200 gallons/day		8760 hr/yr

INVENTORIES

AI ID: 13058 - Pelican Refining Co LLC
 Activity Number: PER20080002
 Permit Number: 0520-00027-04
 Air - Minor (Synthetic) Modification

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
Lake Charles Refinery							
EQT 0003	4-78 - Plant Flare	65.6	4369	1.2		100	1832
EQT 0005	3-91 - Crude Oil Storage Tank (TK 10-16)			1		41	235
EQT 0006	5-78 - Naphtha Storage Tank (TK 10-09)			1		41	120
EQT 0007	6-78 - Naphtha Storage Tank (TK 10-10)			1		41	120
EQT 0008	7-78 - Crude Oil Storage Tank (TK 55-01)			1		41	235
EQT 0009	8-78 - Intermediate Petroleum Product Tank (TK 10-11)			1		41	120
EQT 0010	9-78 - Intermediate Petroleum Product Tank (TK 10-12)			1		41	120
EQT 0011	10-78 - Crude Oil Storage Tank (TK 40-03)			1		41	120
EQT 0012	11-78 - Intermediate Petroleum Product Tank (TK 10-13)			1		41	120
EQT 0013	12-78 - Intermediate Petroleum Product Tank (TK 10-14)			1		41	120
EQT 0014	13-78 - Intermediate Petroleum Product Tank (TK 30-04)			1		41	120
EQT 0015	14-78 - Intermediate Petroleum Product Tank (TK 10-07)			1		41	120
EQT 0016	15-78 - Intermediate Petroleum Product Tank (TK 10-08)			1		41	220
EQT 0018	17-78 - Naphtha Storage Tank (TK 15-05)			1		41	120
EQT 0019	18-78 - Naphtha Storage Tank (TK 15-06)			1		41	120
EQT 0020	20-78 - Tank Trucker Loading Rack			1		15	70
EQT 0021	21-78 - Barge Loading (Refinery)			2		20	110
EQT 0023	5-80 - Crude Oil Storage Tank (TK 10-15)			1		41	235
EQT 0024	1-90 - Vacuum Distillation Unit Heater	29.2	34440	5		50	1000
EQT 0026	5-91 - Intermediate Petroleum Product Tank (TK 55-18)			1		41	235
EQT 0061	1-99 - Slop Oil Tank (TK 1-02)			1		30	120
EQT 0063	3-99 - Fire Water Pump - Diesel Engine Driver			.5		25	550
EQT 0064	4-99 - Spent Caustic Storage Tank (TK-500)			1		12	100
EQT 0065	5-99 - Spent Caustic Storage Tank (TK-503)			1		30	78
EQT 0067	7-99 - Instrument Back-up Compressor			.5		15	550
EQT 0069	11-99 - Desalter Water Storage Tank (TK-103)			1		25	78
EQT 0070	2-78 - Boiler B-482	30.6	14311	3		49	560
EQT 0071	1-98 - Boiler B-483	30.6	35000	4.16		75	
TRT 0001	8-99 - Wastewater Collection & Treatment					177840	20

Relationships:

ID	Description	Relationship	ID	Description
FUG 0003	12-99 - Fugitive Equipment Leaks (VDU)	Controlled by	EQT 0003	4-78 - Plant Flare

INVENTORIES

AI ID: 13058 - Pelican Refining Co LLC
 Activity Number: PER20080002
 Permit Number: 0520-00027-04
 Air - Minor (Synthetic) Modification

Subject Item Groups:

ID	Group Type	Group Description
CRG 0001	Common Requirements Group	CRG001 - Fugitive Group
CRG 0002	Common Requirements Group	CRG002 - External Floating Roof Tanks
CRG 0003	Common Requirements Group	CRG003 - Internal Floating Roof Tanks
UNF 0001	Unit or Facility Wide	Facility - Lake Charles Refinery

Group Membership:

ID	Description	Member of Groups
EQT 0008	7-78 - Crude Oil Storage Tank (TK 55-01)	CRG000000000002
EQT 0011	10-78 - Crude Oil Storage Tank (TK 40-03)	CRG000000000003
EQT 0018	17-78 - Naphtha Storage Tank (TK 15-05)	CRG000000000003
EQT 0019	18-78 - Naphtha Storage Tank (TK 15-06)	CRG000000000003
EQT 0023	5-80 - Crude Oil Storage Tank (TK 110-15)	CRG000000000002
FUG 0003	12-99 - Fugitive Equipment Leaks (VDU)	CRG000000000001
FUG 0004	1-08 - Fugitive Equipment Leaks (Docks)	CRG000000000001
FUG 0005	2-08 - Fugitive Equipment Leaks (Tanks)	CRG000000000001
FUG 0006	3-08 - Fugitive Equipment Leaks (Crude)	CRG000000000001

NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

Annual Maintenance Fee:

Fee Number	Air Contaminant Source	Multiplier	Units Of Measure
0720	0720 Petroleum Refining (Rated Capacity)	18	M bbl/day

SIC Codes:

2911	Petroleum refining	UNF 001
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EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 13058 - Pelican Refining Co LLC
 Activity Number: PER20080002
 Permit Number: 0520-00027-04
 Air - Minor (Synthetic) Modification

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
Lake Charles Refinery															
EQT 0003 4-78	0.47	0.57	2.07	0.11	0.13	0.47	<0.01	0.01	<0.01	0.03	0.04	0.14	0.17	0.21	0.75
EQT 0005 3-91													1.14	1.77	5.00
EQT 0006 5-78													0.58	1.65	2.56
EQT 0007 6-78													0.58	1.65	2.56
EQT 0008 7-78													1.03	1.60	4.52
EQT 0009 8-78													0.08	0.20	0.36
EQT 0010 9-78													0.08	0.20	0.36
EQT 0011 10-78													0.21	0.32	0.91
EQT 0012 11-78													0.08	0.36	0.34
EQT 0013 12-78													0.08	0.36	0.34
EQT 0014 13-78													0.20	0.91	0.88
EQT 0015 14-78													0.08	0.41	0.36
EQT 0016 15-78													0.08	3.65	0.35
EQT 0018 17-78													0.65	1.01	2.83
EQT 0019 18-78													0.65	1.01	2.83
EQT 0020 20-78													181.83	218.19	5.00
EQT 0021 21-78													16.54	19.84	5.96
EQT 0023 5-90													1.14	1.77	5.00
EQT 0024 1-90	5.50	6.60	24.08	6.55	7.86	28.67	0.50	0.60	2.18	1.80	2.16	7.87	0.36	0.43	1.58
EQT 0026 5-91													0.34	21.51	1.49
EQT 0061 1-99													0.09	0.11	0.39
EQT 0063 3-99	1.50	1.80	0.38	6.98	8.37	1.74	0.50	0.59	0.12	0.46	0.55	0.12	0.57	0.68	0.14
EQT 0064 4-99													0.002	0.003	<0.01

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 13058 - Pelican Refining Co LLC
 Activity Number: PER20080002
 Permit Number: 0520-00027-04
 Air - Minor (Synthetic) Modification

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
Lake Charles Refinery															
EQT 0065 5-99													0.004	0.007	0.02
EQT 0067 7-99	0.53	0.64	0.13	2.48	2.98	0.62	0.18	0.21	0.04	0.16	0.20	0.04	0.20	0.24	0.05
EQT 0069 11-99													0.01	0.017	0.05
EQT 0070 2-78	1.64	1.97	7.20	4.56	5.47	19.95	0.45	0.54	1.98	0.60	0.72	2.61	0.24	0.29	1.06
EQT 0071 1-98	1.64	1.97	7.20	4.56	5.47	19.95	0.45	0.54	1.98	0.60	0.71	2.61	0.24	0.29	1.06
FUG 0003 12-99													0.60	0.60	2.62
FUG 0004 1-08													0.020	0.020	0.09
FUG 0005 2-08													0.37	0.37	1.61
FUG 0006 3-08													0.06	0.06	0.28
TRT 0001 8-99													0.56	0.67	2.44

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 13058 - Pelican Refining Co LLC

Activity Number: PER20080002

Permit Number: 0520-00027-04

Air - Minor (Synthetic) Modification

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0003 4-78	Benzene	<0.001	<0.001	<0.01
	Toluene	<0.001	<0.001	<0.01
	Xylene (mixed isomers)	<0.001	<0.001	<0.01
	n-Hexane	0.01	0.01	0.03
EQT 0005 3-91	1,3-Butadiene	<0.001	<0.001	<0.01
	2,2,4-Trimethylpentane	<0.001	<0.001	<0.01
	Benzene	0.002	0.003	<0.01
	Biphenyl	<0.001	<0.001	<0.01
	Cresol	<0.001	<0.001	<0.01
	Cumene	0.004	0.007	0.02
	Ethyl benzene	<0.001	<0.001	<0.01
	Naphthalene	<0.001	<0.001	<0.01
	Phenol	<0.001	<0.001	<0.01
	Toluene	0.001	0.002	<0.01
	Xylene (mixed isomers)	<0.001	<0.001	<0.01
	n-Hexane	0.001	0.002	<0.01
EQT 0006 5-78	1,3-Butadiene	<0.001	0.017	<0.01
	2,2,4-Trimethylpentane	<0.001	0.001	<0.01
	Benzene	0.003	0.008	0.01
	Biphenyl	<0.001	<0.001	<0.01
	Cresol	<0.001	<0.001	<0.01
	Cumene	<0.001	<0.001	<0.01
	Ethyl benzene	<0.001	<0.001	<0.01
	Naphthalene	<0.001	<0.001	<0.01
	Phenol	<0.001	<0.001	<0.01
	Toluene	0.001	0.004	<0.01
	Xylene (mixed isomers)	<0.001	<0.001	<0.01
	n-Hexane	0.002	0.005	<0.01
EQT 0007 6-78	1,3-Butadiene	0.01	0.017	0.03
	2,2,4-Trimethylpentane	<0.001	0.001	<0.01
	Benzene	0.003	0.008	0.01
	Biphenyl	<0.001	<0.001	<0.01
	Cresol	<0.001	<0.001	<0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 13058 - Pelican Refining Co LLC

Activity Number: PER20080002

Permit Number: 0520-00027-04

Air - Minor (Synthetic) Modification

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0007 6-78	Cumene	<0.001	<0.001	<0.01
	Ethyl benzene	<0.001	<0.001	<0.01
	Naphthalene	<0.001	<0.001	<0.01
	Phenol	<0.001	<0.001	<0.01
	Toluene	0.001	0.004	<0.01
	Xylene (mixed isomers)	<0.001	<0.001	<0.01
	n-Hexane	0.002	0.005	<0.01
EQT 0008 7-78	1,3-Butadiene	<0.001	<0.001	<0.01
	2,2,4-Trimethylpentane	<0.001	<0.001	<0.01
	Benzene	0.002	0.003	<0.01
	Biphenyl	<0.001	<0.001	<0.01
	Cresol	<0.001	<0.001	<0.01
	Cumene	0.004	0.007	0.02
	Ethyl benzene	<0.001	<0.001	<0.01
	Naphthalene	<0.001	<0.001	<0.01
	Phenol	<0.001	<0.001	<0.01
	Toluene	0.001	0.002	<0.01
	Xylene (mixed isomers)	<0.001	<0.001	<0.01
	n-Hexane	0.001	0.002	<0.01
EQT 0009 8-78	1,3-Butadiene	<0.001	<0.001	<0.01
	2,2,4-Trimethylpentane	<0.001	<0.001	<0.01
	Benzene	0.003	0.003	0.01
	Biphenyl	<0.001	<0.001	<0.01
	Cresol	<0.001	<0.001	<0.01
	Cumene	<0.001	<0.001	<0.01
	Ethyl benzene	<0.001	<0.001	<0.01
	Naphthalene	<0.001	<0.001	<0.01
	Phenol	<0.001	<0.001	<0.01
	Toluene	0.003	0.003	0.01
	Xylene (mixed isomers)	0.002	0.003	<0.01
	n-Hexane	0.001	0.001	<0.01
EQT 0010 9-78	1,3-Butadiene	<0.001	<0.001	<0.01
	2,2,4-Trimethylpentane	<0.001	<0.001	<0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 13058 - Pelican Refining Co LLC

Activity Number: PER20080002

Permit Number: 0520-00027-04

Air - Minor (Synthetic) Modification

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0010 9-78	Benzene	0.003	0.003	0.01
	Biphenyl	<0.001	<0.001	<0.01
	Cresol	<0.001	<0.001	<0.01
	Cumene	<0.001	<0.001	<0.01
	Ethyl benzene	<0.001	<0.001	<0.01
	Naphthalene	<0.001	<0.001	<0.01
	Phenol	<0.001	<0.001	<0.01
	Toluene	0.003	0.003	0.01
	Xylene (mixed isomers)	0.002	0.003	<0.01
	n-Hexane	0.001	0.001	<0.01
EQT 0011 10-78	1,3-Butadiene	<0.001	<0.001	<0.01
	2,2,4-Trimethylpentane	<0.001	<0.001	<0.01
	Benzene	<0.001	<0.001	<0.01
	Biphenyl	<0.001	<0.001	<0.01
	Cresol	<0.001	<0.001	<0.01
	Cumene	<0.001	<0.001	<0.01
	Ethyl benzene	<0.001	<0.001	<0.01
	Naphthalene	<0.001	<0.001	<0.01
	Phenol	<0.001	<0.001	<0.01
	Toluene	<0.001	<0.001	<0.01
	Xylene (mixed isomers)	<0.001	<0.001	<0.01
	n-Hexane	<0.001	<0.001	<0.01
EQT 0012 11-78	2,2,4-Trimethylpentane	<0.001	<0.001	<0.01
	Benzene	0.003	0.012	0.01
	Biphenyl	<0.001	<0.001	<0.01
	Cresol	<0.001	<0.001	<0.01
	Cumene	<0.001	0.001	<0.01
	Ethyl benzene	<0.001	0.003	<0.01
	Naphthalene	<0.001	<0.001	<0.01
	Phenol	<0.001	<0.001	<0.01
	Toluene	0.002	0.012	0.01
	Xylene (mixed isomers)	0.002	0.010	<0.01
	n-Hexane	0.001	0.005	<0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 13058 - Pelican Refining Co LLC

Activity Number: PER20080002

Permit Number: 0520-00027-04

Air - Minor (Synthetic) Modification

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0013 12-78	2,2,4-Trimethylpentane	<0.001	<0.001	<0.01
	Benzene	0.003	0.012	0.01
	Biphenyl	<0.001	<0.001	<0.01
	Cresol	<0.001	<0.001	<0.01
	Cumene	<0.001	0.001	<0.01
	Ethyl benzene	<0.001	0.003	<0.01
	Naphthalene	<0.001	<0.001	<0.01
	Phenol	<0.001	<0.001	<0.01
	Toluene	0.002	0.012	0.01
	Xylene (mixed isomers)	0.002	0.010	<0.01
	n-Hexane	0.001	0.005	<0.01
EQT 0014 13-78	2,2,4-Trimethylpentane	<0.001	0.002	<0.01
	Benzene	0.01	0.03	0.03
	Biphenyl	<0.001	<0.001	<0.01
	Cresol	<0.001	<0.001	<0.01
	Cumene	<0.001	0.004	<0.01
	Ethyl benzene	0.002	0.007	<0.01
	Naphthalene	<0.001	<0.001	<0.01
	Phenol	<0.001	0.001	<0.01
	Toluene	0.01	0.030	0.03
	Xylene (mixed isomers)	0.01	0.025	0.02
	n-Hexane	0.003	0.012	0.01
EQT 0015 14-78	2,2,4-Trimethylpentane	<0.001	0.001	<0.01
	Benzene	0.003	0.014	0.01
	Biphenyl	<0.001	<0.001	<0.01
	Cresol	<0.001	<0.001	<0.01
	Cumene	<0.001	0.002	<0.01
	Ethyl benzene	<0.001	0.003	<0.01
	Naphthalene	<0.001	<0.001	<0.01
	Phenol	<0.001	<0.001	<0.01
	Toluene	0.003	0.014	0.01
	Xylene (mixed isomers)	0.002	0.011	<0.01
	n-Hexane	0.001	0.005	<0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 13058 - Pelican Refining Co LLC

Activity Number: PER20080002

Permit Number: 0520-00027-04

Air - Minor (Synthetic) Modification

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0016 15-78	2,2,4-Trimethylpentane	<0.001	0.009	<0.01
	Benzene	0.003	0.120	0.01
	Biphenyl	<0.001	0.002	<0.01
	Cresol	<0.001	<0.001	<0.01
	Cumene	<0.001	0.014	<0.01
	Ethyl benzene	<0.001	0.028	<0.01
	Naphthalene	<0.001	0.004	<0.01
	Phenol	<0.001	0.005	<0.01
	Toluene	0.003	0.120	0.01
	Xylene (mixed isomers)	0.002	0.10	<0.010
	n-Hexane	0.001	0.048	<0.01
EQT 0018 17-78	1,3-Butadiene	0.01	0.01	0.03
	2,2,4-Trimethylpentane	0.002	0.004	0.01
	Benzene	0.003	0.005	<0.01
	Biphenyl	<0.001	<0.001	<0.01
	Cresol	<0.001	<0.001	<0.01
	Cumene	<0.001	<0.001	<0.01
	Ethyl benzene	<0.001	<0.001	<0.01
	Naphthalene	<0.001	<0.001	<0.01
	Phenol	<0.001	<0.001	<0.01
	Toluene	0.001	0.002	<0.01
	Xylene (mixed isomers)	<0.001	<0.001	<0.01
n-Hexane	0.002	0.003	<0.01	
EQT 0019 18-78	1,3-Butadiene	0.01	0.01	0.03
	2,2,4-Trimethylpentane	0.002	0.004	0.01
	Benzene	0.003	0.005	<0.01
	Biphenyl	<0.001	<0.001	<0.01
	Cresol	<0.001	<0.001	<0.01
	Cumene	<0.001	<0.001	<0.01
	Ethyl benzene	<0.001	<0.001	<0.01
	Naphthalene	<0.001	<0.001	<0.01
	Phenol	<0.001	<0.001	<0.01
	Toluene	0.001	0.002	<0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 13058 - Pelican Refining Co LLC

Activity Number: PER20080002

Permit Number: 0520-00027-04

Air - Minor (Synthetic) Modification

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0019 18-78	Xylene (mixed isomers)	<0.001	<0.001	<0.01
	n-Hexane	0.002	0.003	<0.01
EQT 0020 20-78	1,3-Butadiene	0.01	0.01	<0.01
	2,2,4-Trimethylpentane	0.02	0.03	<0.01
	Benzene	0.87	1.05	0.02
	Biphenyl	<0.001	<0.001	<0.01
	Cresol	<0.001	<0.001	<0.01
	Cumene	0.01	0.01	<0.01
	Ethyl benzene	0.05	0.06	<0.01
	Naphthalene	<0.001	<0.001	<0.01
	Phenol	<0.001	<0.001	<0.01
	Toluene	0.42	0.50	<0.01
	Xylene (mixed isomers)	0.11	0.13	<0.01
	n-Hexane	0.55	0.66	0.02
EQT 0021 21-78	1,3-Butadiene	<0.001	<0.001	<0.01
	2,2,4-Trimethylpentane	0.006	0.008	0.01
	Benzene	0.13	0.16	0.07
	Biphenyl	<0.001	<0.001	<0.01
	Cresol	<0.001	<0.001	<0.01
	Cumene	0.01	0.009	<0.01
	Ethyl benzene	0.020	0.021	0.01
	Naphthalene	0.002	0.002	<0.01
	Phenol	0.002	0.003	<0.01
	Toluene	0.09	0.11	0.05
	Xylene (mixed isomers)	0.06	0.07	0.04
	n-Hexane	0.07	0.08	0.03
EQT 0023 5-80	1,3-Butadiene	<0.001	<0.001	<0.01
	2,2,4-Trimethylpentane	<0.001	<0.001	<0.01
	Benzene	0.002	0.003	<0.01
	Biphenyl	<0.001	<0.001	<0.01
	Cresol	<0.001	<0.001	<0.01
	Cumene	0.004	0.006	0.02
	Ethyl benzene	<0.001	<0.001	<0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 13058 - Pelican Refining Co LLC

Activity Number: PER20080002

Permit Number: 0520-00027-04

Air - Minor (Synthetic) Modification

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0023 5-80	Naphthalene	<0.001	<0.001	<0.001
	Phenol	<0.001	<0.001	<0.01
	Toluene	<0.001	0.002	<0.01
	Xylene (mixed isomers)	<0.001	<0.001	<0.01
	n-Hexane	0.001	0.002	<0.01
EQT 0024 7-90	Benzene	<0.001	<0.001	<0.01
	Copper (and compounds)	<0.001	<0.001	<0.01
	Nickel (and compounds)	<0.001	<0.001	<0.01
	Toluene	<0.001	<0.001	<0.01
EQT 0025 5-91	2,2,4-Trimethylpentane	<0.001	0.05	<0.01
	Benzene	0.01	0.73	0.05
	Biphenyl	<0.001	0.009	<0.01
	Cresol	<0.001	0.004	<0.01
	Cumene	0.001	0.09	<0.01
	Ethyl benzene	0.003	0.16	0.01
	Naphthalene	<0.001	0.022	<0.01
	Phenol	<0.001	0.029	<0.01
	Toluene	0.01	0.71	0.05
	Xylene (mixed isomers)	0.01	0.59	0.04
	n-Hexane	0.004	0.28	0.02
EQT 0061 1-99	2,2,4-Trimethylpentane	<0.001	<0.001	<0.01
	Benzene	<0.001	<0.001	<0.01
	Biphenyl	<0.001	<0.001	<0.01
	Cresol	<0.001	<0.001	<0.01
	Cumene	<0.001	<0.001	<0.01
	Ethyl benzene	<0.001	<0.001	<0.01
	Naphthalene	<0.001	<0.001	<0.01
	Phenol	<0.001	<0.001	<0.01
	Toluene	<0.001	<0.001	<0.01
	Xylene (mixed isomers)	<0.001	<0.001	<0.01
	n-Hexane	<0.001	<0.001	<0.01
EQT 0064 4-99	Benzene	<0.001	<0.001	<0.01
	Cumene	<0.001	<0.001	<0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 13058 - Pelican Refining Co LLC

Activity Number: PER20080002

Permit Number: 0520-00027-04

Air - Minor (Synthetic) Modification

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0064 4-99	Ethyl benzene	<0.001	<0.001	<0.01
	Toluene	<0.001	<0.001	<0.01
	Xylene (mixed isomers)	<0.001	<0.001	<0.01
EQT 0065 5-99	Benzene	<0.001	<0.001	<0.01
	Cumene	<0.001	<0.001	<0.01
	Ethyl benzene	<0.001	<0.001	<0.01
	Toluene	<0.001	<0.001	<0.01
	Xylene (mixed isomers)	<0.001	<0.001	<0.01
EQT 0069 11-99	2,2,4-Trimethylpentane	<0.001	<0.001	<0.01
	Benzene	<0.001	<0.001	<0.01
	Biphenyl	<0.001	<0.001	<0.01
	Cresol	<0.001	<0.001	<0.01
	Cumene	<0.001	<0.001	<0.01
	Ethyl benzene	<0.001	<0.001	<0.01
	Naphthalene	<0.001	<0.001	<0.01
	Phenol	<0.001	<0.001	<0.01
	Toluene	<0.001	<0.001	<0.01
	Xylene (mixed isomers)	<0.001	<0.001	<0.01
	n-Hexane	<0.001	<0.001	<0.01
EQT 0070 2-78	Benzene	<0.001	<0.001	<0.01
	Copper (and compounds)	<0.001	<0.001	<0.01
	Formaldehyde	0.003	0.004	0.01
	Nickel (and compounds)	<0.001	<0.001	<0.01
	Toluene	<0.001	<0.001	<0.01
	n-Hexane	0.081	0.097	0.35
EQT 0071 1-98	Benzene	<0.001	<0.001	<0.01
	Copper (and compounds)	<0.001	<0.001	<0.01
	Nickel (and compounds)	<0.001	<0.001	<0.01
	Toluene	<0.001	<0.001	<0.01
FUG 0003 12-99	1,3-Butadiene	<0.001	<0.001	<0.01
	2,2,4-Trimethylpentane	<0.001	<0.001	<0.01
	Benzene	0.003	0.003	0.01
	Biphenyl	<0.001	<0.001	<0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 13058 - Pelican Refining Co LLC

Activity Number: PER20080002

Permit Number: 0520-00027-04

Air - Minor (Synthetic) Modification

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
FUG 0003 12-99	Cresol	<0.001	<0.001	<0.01
	Cumene	<0.001	<0.001	<0.01
	Ethyl benzene	0.001	0.001	<0.01
	Naphthalene	<0.001	<0.001	<0.01
	Toluene	0.01	0.01	0.02
	Xylene (mixed isomers)	0.01	0.01	0.03
	n-Hexane	0.02	0.02	0.08
FUG 0004 1-08	1,3-Butadiene	<0.001	<0.001	<0.01
	2,2,4-Trimethylpentane	<0.001	<0.001	<0.01
	Benzene	<0.001	<0.001	<0.01
	Cumene	<0.001	<0.001	<0.01
	Ethyl benzene	<0.001	<0.001	<0.01
	Toluene	<0.001	<0.001	<0.01
	Xylene (mixed isomers)	<0.001	<0.001	<0.01
	n-Hexane	<0.001	<0.001	<0.01
FUG 0005 2-08	1,3-Butadiene	<0.001	<0.001	<0.01
	2,2,4-Trimethylpentane	<0.001	<0.001	<0.01
	Benzene	0.002	0.002	<0.01
	Cumene	<0.001	<0.001	<0.01
	Ethyl benzene	<0.001	<0.001	<0.01
	Naphthalene	<0.001	<0.001	<0.01
	Toluene	<0.001	<0.001	<0.01
	Xylene (mixed isomers)	<0.001	<0.001	<0.01
	n-Hexane	0.001	0.001	<0.01
FUG 0006 3-08	1,3-Butadiene	<0.001	<0.001	<0.01
	2,2,4-Trimethylpentane	<0.001	<0.001	<0.01
	Benzene	<0.001	<0.001	<0.01
	Biphenyl	<0.001	<0.001	<0.01
	Cumene	<0.001	<0.001	<0.01
	Ethyl benzene	<0.001	<0.001	<0.01
	Naphthalene	<0.001	<0.001	<0.01
	Toluene	<0.001	<0.001	<0.01
	Xylene (mixed isomers)	0.001	0.001	<0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 13058 - Pelican Refining Co LLC

Activity Number: PER20080002

Permit Number: 0520-00027-04

Air - Minor (Synthetic) Modification

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
FUG 0006 3-08	n-Hexane	0.002	0.002	0.01
TRT 0001 8-99	Benzene	0.09	0.11	0.39
	Ethyl benzene	0.04	0.046	0.17
	Toluene	0.08	0.09	0.34
	Xylene (mixed isomers)	0.06	0.07	0.26
	n-Hexane	0.01	0.007	0.02
UNF 0001 Facility	1,3-Butadiene			0.10
	2,2,4-Trimethylpentane			0.03
	Benzene			0.66
	Biphenyl			<0.01
	Copper (and compounds)			<0.01
	Cresol			<0.01
	Cumene			0.06
	Ethyl benzene			0.19
	Formaldehyde			<0.01
	Naphthalene			<0.01
	Nickel (and compounds)			<0.01
	Phenol			<0.01
	Toluene			0.52
	Xylene (mixed isomers)			0.39
n-Hexane			0.57	

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rates attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.

SPECIFIC REQUIREMENTS

AJ ID: 13058 - Pelican Refining Co LLC
Activity Number: PER20080002
Permit Number: 0520-00027-04
Air - Minor (Synthetic) Modification

CRG 0001 CRG001 - Fugitive Group

Group Members: FUG 0003 FUG 0004 FUG 0005 FUG 0006

- 1 [40 CFR 60.592.a] Comply with the requirements of 40 CFR 60.482-1 to 482-10 as soon as practicable, but no later than 180 days after initial startup. Subpart GGG [40 CFR 60.592(a)]
- 2 [40 CFR 60.592.d] Comply with the provisions of 40 CFR 60.485 except as provided in 40 CFR 60.593. Subpart GGG. [40 CFR 60.592(d)]
- 3 [40 CFR 60.592.e] Comply with the provisions of 40 CFR 60.486 and 60.487. Subpart GGG. [40 CFR 60.592(e)]
- 4 [LAC 33:III.2122.C.1.c] Repair according to LAC 33:III.2122.C.1.d. Repair according to LAC 33:III.2122.C.1.d. concentration, except those covered under LAC 33:III.2122.C.1.d.
- 5 [LAC 33:III.2122.C.1.d] Pumps and valves in heavy liquid service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 within 5 days if observed leaking by sight, sound, or smell. Repair according to LAC 33:III.2122.C.3 if the pump or valve is determined to be leaking in excess of the applicable limits given in LAC 33:III.2122.
- 6 [LAC 33:III.2122.C.2] Which Months: All Year Statistical Basis: None specified
 Do not locate any valve, except safety pressure relief valves, at the end of a pipe or line containing volatile organic compounds unless the end of such line is sealed with a second valve, a blind flange, a plug, or a cap. Remove such sealing devices only when the line is in use, for example, when a sample is being taken. When the line has been used and is subsequently resealed, close the upstream valve first, followed by the sealing device.
- 7 [LAC 33:III.2122.C.3] Make every reasonable effort to repair a leaking component, as described in LAC 33:III.2122, within 15 days, except as provided
- 8 [LAC 33:III.2122.C.4] Determine the percent of leaking components at a process unit for a test period using the equation in LAC 33:III.2122.C.4.
- 9 [LAC 33:III.2122.C.5] Determine the total percent of leaking and unrepairable components using the equation in LAC 33:III.2122.C.5.
- 10 [LAC 33:III.2122.D.1.a] Process drains: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (one time per year). If a reading of 1,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2122.C.3.
 Which Months: All Year Statistical Basis: None specified
 Compressor seals: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times a year). If a reading of 5,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2122.C.3.
 Which Months: All Year Statistical Basis: None specified
- 11 [LAC 33:III.2122.D.1.b.i] Pressure relief valves in gas service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times a year). If a reading of 1,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2122.C.3.
 Which Months: All Year Statistical Basis: None specified
- 12 [LAC 33:III.2122.D.1.b.ii] Valves in light liquid service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times a year) If a reading of 1,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2122.C.3. Permittee may elect to comply with the alternate standards for valves in LAC 33:III.2122.E (skip period provisions).
 Which Months: All Year Statistical Basis: None specified
- 13 [LAC 33:III.2122.D.1.b.iii] Pumps in light liquid service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times a year). If a reading of 5,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2122.C.3.
 Which Months: All Year Statistical Basis: None specified
- 14 [LAC 33:III.2122.D.1.b.iv] Pumps in light liquid service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times a year). If a reading of 5,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2122.C.3.
 Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AID: 13058 - Pelican Refining Co LLC

Activity Number: PER20080002

Permit Number: 0520-00027-04

Air - Minor (Synthetic) Modification

CRG 0001 CRG001 - Fugitive Group

- 15 [LAC 33:III.2122.D.1.b.v] Valves in gas service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times a year). If a reading of 1,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2122.C.3. Permittee may elect to comply with the alternate standards for valves in LAC 33:III.2122.E (skip period provisions).
Which Months: All Year Statistical Basis: None specified
Pumps: Seal or closure mechanism monitored by visual inspection/determination weekly (52 times a year).
Which Months: All Year Statistical Basis: None specified
Flanged connectors: Presence of a leak monitored by visual, audible, and/or olfactory weekly.
Which Months: All Year Statistical Basis: None specified
Instrumentation systems: Presence of a leak monitored by visual, audible, and/or olfactory weekly.
Which Months: All Year Statistical Basis: None specified
Pressure relief valves: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 within 24 hours after venting to the atmosphere. If a reading of 1,000 ppmv or greater (for petroleum refineries, SOCOMI, MTBE, and polymer manufacturing industry) or 2,500 ppmv or greater (for natural gas processing plants) is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2122.C.3.
Which Months: All Year Statistical Basis: None specified
All components: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 upon each occurrence of a leak detected by sight, smell, or sound, unless electing to implement actions as specified in LAC 33:III.2122.C.3.
Which Months: All Year Statistical Basis: None specified
Inaccessible valves: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (at a minimum).
Which Months: All Year Statistical Basis: None specified
Unsafe-to-monitor valves: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 upon each occurrence of conditions allowing these valves to be monitored safely.
Which Months: All Year Statistical Basis: None specified
When a component which has a leak that cannot be repaired, as described in LAC 33:III.2122.C, is located, affix to the leaking component a weatherproof and readily visible tag bearing an identification number and the date the leak is located. Remove the tag after the leak has been repaired.
Equipment/operational data recordkeeping by survey log upon each occurrence of a leak. Include the leaking component information specified in LAC 33:III.2122.F.2.a through j. Retain the survey log for two years after the latter date specified in LAC 33:III.2122.F.2 and make said log available to DEQ upon request.
Submit report: Due semiannually, by the 31st of January and July, to the Office of Environmental Assessment, Air Quality Assessment Division. Include the information specified in LAC 33:III.2122.G.1 through 6 for each calendar quarter during the reporting period.
- 16 [LAC 33:III.2122.D.1.c]
- 17 [LAC 33:III.2122.D.1.d.i]
- 18 [LAC 33:III.2122.D.1.e]
- 19 [LAC 33:III.2122.D.3.a]
- 20 [LAC 33:III.2122.D.3.b]
- 21 [LAC 33:III.2122.D.3.c]
- 22 [LAC 33:III.2122.D.3.d]
- 23 [LAC 33:III.2122.F.1]
- 24 [LAC 33:III.2122.F]
- 25 [LAC 33:III.2122.G]

CRG 0002 CRG002 - External Floating Roof Tanks

Group Members: EQT 0008EQT 0023

- 26 [40 CFR 60.112.a.1] ✓ Crude service: Equip with a floating roof, a vapor recovery system, or their equivalents. Subpart K. [40 CFR 60.112(a)(1)]

SPECIFIC REQUIREMENTS

AJ ID: 13058 - Pelican Refining Co LLC
Activity Number: PER20080002
Permit Number: 0520-00027-04
Air - Minor (Synthetic) Modification

CRG 0002 CRG002 - External Floating Roof Tanks

- 27 [40 CFR 60.113] Petroleum liquid storage data recordkeeping by electronic or hard copy at the approved frequency.Crude Service: Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K.
- 28 [LAC 33:III.2103.B] Equip with a submerged fill pipe.
- 29 [LAC 33:III.2103.D.2.a] Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric.
- 30 [LAC 33:III.2103.D.2.b] Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall.
- 31 [LAC 33:III.2103.D.2.c] Seal gap area $\leq 1 \text{ in}^2/\text{ft}$ of tank diameter (6.5 $\text{cm}^2/0.3 \text{ m}$), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 32 [LAC 33:III.2103.D.2.d] Which Months: All Year Statistical Basis: None specified
 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.
 Which Months: All Year Statistical Basis: None specified
 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2
- 33 [LAC 33:III.2103.D.2.e] Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.
 Which Months: All Year Statistical Basis: None specified
 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.
- 34 [LAC 33:III.2103.D.2.e] Which Months: All Year Statistical Basis: None specified
 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts.
- 35 [LAC 33:III.2103.D.2.e] Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vents, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening.
- 36 [LAC 33:III.2103.D.2.e] Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets.
- 37 [LAC 33:III.2103.D.2.e] Control nonslotted guide poles and stiling wells using pole wipers and gasketing between the well and sliding cover. Control slotted guide poles using a float with wiper, pole wiper, and gasketing between the well and sliding cover.
- 38 [LAC 33:III.2103.D.3] Submit notification: Due to the Office of Environmental Assessment, Air Quality Assessment Division, prior to installation of guide poles and stiling well systems. Submit a description of the method of control and supporting calculations based upon the Addendum to American Petroleum Institute Publication Number 2517 Evaporative Loss from External Floating Roof Tanks, May 1994, for approval.

SPECIFIC REQUIREMENTS

AI ID: 13058 - Pelican Refining Co LLC
 Activity Number: PER20080002
 Permit Number: 0520-00027-04
 Air - Minor (Synthetic) Modification

CRG 0002 CRG002 - External Floating Roof Tanks

- 42 [LAC 33:III.2103.D.4.d] Equipment/operational data monitored by visual inspection/determination semiannually. Inspect control systems required by LAC 33:III.2103.D.4 for rips, tears, visible gaps in the pole or float wiper, and/or missing sliding cover gaskets.
 Which Months: All Year Statistical Basis: None specified
- 43 [LAC 33:III.2103.D.4.d] Initiate repairs of any rips, tears, visible gaps in the pole or float wiper, and/or missing sliding cover gaskets by ordering appropriate parts within seven working days after defect is identified, to avoid noncompliance with LAC 33:III.2103.D.4. Complete repairs within three months of the ordering of the repair parts.
- 44 [LAC 33:III.2103.D] Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b.
- 45 [LAC 33:III.2103.D] Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall.
- 46 [LAC 33:III.2103.H.1] Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1.
- 47 [LAC 33:III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
- 48 [LAC 33:III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.

CRG 0003 CRG003 - Internal Floating Roof Tanks

- Group Members: EQT 0011EQT 0018EQT 0019
- 49 [40 CFR 60.112.a.1] Equip with a floating roof, a vapor recovery system, or their equivalents. Subpart K. [40 CFR 60.112(a)(1)]
 - 50 [40 CFR 60.113] Petroleum liquid storage data recordkeeping by electronic or hard copy at the approved frequency. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K.
 Equip with a submerged fill pipe.
 - 51 [LAC 33:III.2103.B] Equip internal floating roof with a liquid mounted seal consisting of a foam- or liquid-filled seal mounted in contact with the liquid between the wall of the storage vessel and the floating roof continuously around the circumference of the tank.
 - 52 [LAC 33:III.2103.C.1.a] Equip internal floating roof with a mechanical shoe seal (metallic-type shoe seal) consisting of a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof.
 - 53 [LAC 33:III.2103.C.1.b] Equip internal floating roof with two seals mounted one above the other so that each forms a continuous closure that completely covers the space between the wall of the storage vessel and the edge of the internal floating roof. The lower seal may be vapor-mounted, but both must be continuous.
 - 54 [LAC 33:III.2103.C.1.c] Provide each opening in the internal floating roof (except rim space vents and automatic bleeder vents) with a projection below the liquid surface. In addition, provide each opening (except for leg sleeves, bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains) with a cover equipped with a gasket. Equip automatic bleeder vents and rim space vents with gaskets and equip ladder wells with a sliding cover.
 - 55 [LAC 33:III.2103.C.2]

SPECIFIC REQUIREMENTS

AI ID: 13058 - Pelican Refining Co LLC
 Activity Number: PER20080002
 Permit Number: 0520-00027-04
 Air - Minor (Synthetic) Modification

CRG 0003 CRG003 - Internal Floating Roof Tanks

- 56 [LAC 33.III.2103.C] Equip with an internal floating roof consisting of a pontoon type roof, double deck roof, or internal floating cover which will rest or float on the surface of the liquid contents and is equipped with a closure seal to close the space between the roof edge and tank wall. All tank gauging and sampling devices will be gas-tight except when gauging or sampling is taking place.
- 57 [LAC 33.III.2103.E.2] VOC, Total >= 90 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year.
 Which Months: All Year Statistical Basis: None specified
- 58 [LAC 33.III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33.III.2103.H.3.a-e.
- 59 [LAC 33.III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33.III.2103.I.1 - 7, as applicable.

EQT 0003 4-78 - Plant Flare

- 60 [40 CFR 60.104.a.1] Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Subpart J. [40 CFR 60.104(a)(1)]
 Which Months: All Year Statistical Basis: None specified
- 61 [40 CFR 60.105.a.4] Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]
 Which Months: All Year Statistical Basis: None specified
- 62 [40 CFR 60.106.a] Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]
- 63 [40 CFR 60.106] Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J.
- 64 [40 CFR 60.18.c.1] Design and operate for no visible emissions, as determined by the methods specified in 40 CFR 60.18(f), except for periods not to exceed a total of 5 minutes during any two consecutive hours. Subpart A. [40 CFR 60.18(c)(1)]
- 65 [40 CFR 60.18.c.2] Operate with a flame present at all times, as determined by the methods specified in 40 CFR 60.18(f)(2). Subpart A. [40 CFR 60.18(c)(2)]
- 66 [40 CFR 60.18.c.3.(ii)] Heat content >= 200 BTU/scf (7.45 MJ/scm). Determine the net heating value of the gas being combusted by the methods specified in 40 CFR 60.18(f)(3). Subpart A. [40 CFR 60.18(c)(3)(ii)]
 Which Months: All Year Statistical Basis: None specified
- 67 [40 CFR 60.18.c.4.(ii)] Exit Velocity >= 60 and < 400 ft/sec (18.3 m/sec and 122 m/sec), as determined by the method specified in 40 CFR 60.18(f)(4). Subpart A. [40 CFR 60.18(c)(4)(ii)]
 Which Months: All Year Statistical Basis: None specified
- 68 [40 CFR 60.18.dj] Monitor flares to ensure that they are operated and maintained in conformance with their designs. Applicable subparts will provide provisions stating how to monitor flares. Subpart A. [40 CFR 60.18(d)]
- 69 [40 CFR 60.18.e] Operate at all times when emissions may be vented to the flare. Subpart A. [40 CFR 60.18(e)]
- 70 [40 CFR 60.18.f.2] Presence of a flame monitored by flame monitor continuously. Use a thermocouple or any other equivalent device to detect the presence of a flare pilot flame. Subpart A. [40 CFR 60.18(f)(2)]
 Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 13058 - Pelican Refining Co LLC
Activity Number: PER20080002
Permit Number: 0520-00027-04
Air - Minor (Synthetic) Modification

EQT 0003 4-78 - Plant Flare

- 71 [LAC 33:III.1105] Submit notification: Due to the Office of Environmental Compliance as soon as possible after the start of burning of pressure valve releases for control over process upsets. Notify in accordance with LAC 33:1.3923. Notification is required only if the upset cannot be controlled in six hours.
- 72 [LAC 33:III.1105] Opacity <= 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets.
Which Months: All Year Statistical Basis: None specified
- 73 [LAC 33:III.1107] Submit report: Due in writing to the Office of Environmental Compliance, Surveillance Division, within seven calendar days after startup or shutdown, if flaring was not the result of failure to maintain or repair equipment. Submit report if requesting exemption from the provisions of LAC 33:III.1105. Explain the conditions and duration of the startup or shutdown and list the steps necessary to remedy, prevent and limit the excess emissions. Minimize flaring and ensure that no ambient air quality standards are jeopardized.

EQT 0005 3-91 - Crude Oil Storage Tank (TK 110-16)

- 74 [40 CFR 60.112b.a.2.(ii)] Except for automatic bleeder vents and rim space vents, each opening in a noncontact external floating roof shall provide a projection below the liquid surface. Except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves, equip each opening in the roof with a gasketed cover, seal, or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Close automatic bleeder vents at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Set rim vents to open when the roof is being floated off the roof legs supports or at the manufacturer's recommended setting. Equip automatic bleeder vents and rim space vents with gaskets. Provide each emergency roof drain with a slotted membrane fabric cover that covers at least 90 percent of the area of the opening. Subpart Kb. [40 CFR 60.112b(a)(2)(ii)]
- 75 [40 CFR 60.112b.a.2] Equip with an external floating roof consisting of a pontoon-type or double-deck type cover that rests on the liquid surface in a vessel with no fixed roof. Equip with a closure device between the wall of the storage vessel and the roof edge. The closure device consists of two seals, secondary above the primary. The primary seal shall be either a mechanical shoe seal or a liquid-mounted seal. Except as provided in 40 CFR 60.113b(b)(4), the primary seal shall completely cover the annular space between the edge of the floating roof and tank wall. The secondary seal shall completely cover the annular space between the external floating roof and the wall of the storage vessel in a continuous fashion except as allowed in 40 CFR 60.113b(b)(4). The roof shall be floating on the liquid at all times (i.e., off the roof leg supports) except during initial fill until the roof is lifted off leg supports and when the tank is completely emptied and subsequently refilled. The process of filling, emptying, or refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.112b(a)(2)]
- 76 [40 CFR 60.113b.b.1.(i)] Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel during the hydrostatic testing of the vessel or within 60 days of the initial fill with VOL and at least once every 5 years thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(i)]
- 77 [40 CFR 60.113b.b.1.(ii)] Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the secondary seal and the wall of the storage vessel within 60 days of the initial fill with VOL and at least once per year thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(ii)]
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 13058 - Pelican Refining Co LLC

Activity Number: PER20080002

Permit Number: 0520-00027-04

Air - Minor (Synthetic) Modification

EQT 0005 3-91 - Crude Oil Storage Tank (TK 110-16)

- 78 [40 CFR 60.113b.b.3] Add the gap surface area of each gap location for the primary seal and the secondary seal individually and divide the sum for each seal by the nominal diameter of the tank and compare each ratio to the respective standards in 40 CFR 60.113b(b)(4). Subpart Kb. [40 CFR 60.113b(b)(3)]
- 79 [40 CFR 60.113b.b.4.(i)(A)] One end of the mechanical shoe is to extend into the stored liquid, and the other end is to extend a minimum vertical distance of 61 cm above the stored liquid surface. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(A)]
- 80 [40 CFR 60.113b.b.4.(i)(B)] There are to be no holes, tears, or other openings in the shoe, primary seal fabric, or seal envelope. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(B)]
- 81 [40 CFR 60.113b.b.4.(i)] Seal gap width ≤ 3.81 cm for the width of any portion of any gap between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]
- 82 [40 CFR 60.113b.b.4.(i)] Which Months: All Year Statistical Basis: None specified
Seal gap area ≤ 2.12 cm²/m of tank diameter (accumulated area) for gaps between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]
- 83 [40 CFR 60.113b.b.4.(ii)(A)] Which Months: All Year Statistical Basis: None specified
Install the secondary seal above the primary seal so that it completely covers the space between the roof edge and the tank wall except as provided in 60.113b(b)(2)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(A)]
- 84 [40 CFR 60.113b.b.4.(ii)(B)] Seal gap width ≤ 1.27 cm for the width of any gap between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)]
- 85 [40 CFR 60.113b.b.4.(ii)(B)] Which Months: All Year Statistical Basis: None specified
Seal gap area ≤ 2.12 cm²/m of tank diameter (accumulated area) for gaps between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)]
- 86 [40 CFR 60.113b.b.4.(ii)(C)] Which Months: All Year Statistical Basis: None specified
There are to be no holes, tears, or other openings in the secondary seal or seal fabric. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(C)]
- 87 [40 CFR 60.113b.b.4] Make necessary repairs or empty the storage vessel within 45 days of identification in any inspection for seals not meeting the requirements listed in 40 CFR 60.113b(b)(4) (i) and (ii) except as specified in 40 CFR 60.113b(b)(4)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)]
- 88 [40 CFR 60.113b.b.5] Submit notification: Due at least 30 days in advance of any gap measurements required by 40 CFR 60.113b(b)(1) to afford DEQ the opportunity to have an observer present. Subpart Kb. [40 CFR 60.113b(b)(5)]
- 89 [40 CFR 60.113b.b.6.(i)] If the external floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, repair the items as necessary so that none of the conditions specified in this paragraph exist before filling or refilling the storage vessel with VOL. Subpart Kb. [40 CFR 60.113b(b)(6)(i)]
- 90 [40 CFR 60.113b.b.6.(ii)] Submit notification in writing: Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113b(b)(6) to afford DEQ an opportunity to inspect the storage vessel prior to refilling. If the inspection required by paragraph 40 CFR 60.113b(b)(6) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113b(b)(6)(ii)]
- 91 [40 CFR 60.113b.b.6] Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the external floating roof, the primary seal, the secondary seal, and fittings each time the storage vessel is emptied and degassed. Subpart Kb. [40 CFR 60.113b(b)(6)]
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AIID: 13058 - Pelican Refining Co LLC
Activity Number: PER20080002
Permit Number: 0520-00027-04
Air - Minor (Synthetic) Modification

EQT 0005 3-91 - Crude Oil Storage Tank (TK 110-16)

- 92 [40 CFR 60.115b.b.1] Submit a report: Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112b(a)(2), 60.113b(b)(2), (b)(3), and (b)(4). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(1)]
- 93 [40 CFR 60.115b.b.2] Submit a report: Due to DEQ within 60 days of performing the seal gap measurements required by 40 CFR 60.113b(b)(1). The report shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(2)]
- 94 [40 CFR 60.115b.b.3] Gap measurement(s) recordkeeping by electronic or hard copy upon each occurrence of gap measurement performance, as required by 40 CFR 60.113b(b). Each record shall identify the storage vessel in which the measurement was performed and shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115b(b)(3)]
- 95 [40 CFR 60.115b.b.4] Submit a report: Due to DEQ within 30 days after each seal gap measurement that detects gaps exceeding the limitations specified by 40 CFR 60.113b(b)(4). The report will identify the vessel and contain the information specified in 40 CFR 60.115b(b)(2) and the date the vessel was emptied or the repairs made and date of repair. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(4)]
- 96 [40 CFR 60.116b.b] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116b(b)]
- 97 [40 CFR 60.116b.c] VOL storage data recordkeeping by electronic or hard copy continuously. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.116b(c)]
- 98 [LAC 33:III.2103.B] Equip with a submerged fill pipe.
- 99 [LAC 33:III.2103.D.2.a] Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric.
- 100 [LAC 33:III.2103.D.2.b] Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall.
- 101 [LAC 33:III.2103.D.2.c] Seal gap area $\leq 1 \text{ in}^2/\text{ft}$ of tank diameter (6.5 cm²/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 102 [LAC 33:III.2103.D.2.d] Which Months: All Year Statistical Basis: None specified
Seal gap area $\leq 10 \text{ in}^2/\text{ft}$ of tank diameter (65 cm²/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 103 [LAC 33:III.2103.D.2.e] Which Months: All Year Statistical Basis: None specified
Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.
- 104 [LAC 33:III.2103.D.2.e] Which Months: All Year Statistical Basis: None specified
Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts.
- 105 [LAC 33:III.2103.D.2.e] Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.
Which Months: All Year Statistical Basis: None specified
- 106 [LAC 33:III.2103.D.2.e] Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 13058 - Pelican Refining Co LLC
Activity Number: PER20080002
Permit Number: 0520-00027-04
Air - Minor (Synthetic) Modification

EQT 0005 3-91 - Crude Oil Storage Tank (TK 110-16)

- 107 [LAC 33:III.2103.D.2.e] Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2.
- 108 [LAC 33:III.2103.D.3] Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening.
- 109 [LAC 33:III.2103.D.3] Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets.
- 110 [LAC 33:III.2103.D.4.a] Control nonslotted guide poles and stiling wells using pole wipers and gasketing between the well and sliding cover. Control slotted guide poles using a float with wiper, pole wiper, and gasketing between the well and sliding cover.
- 111 [LAC 33:III.2103.D.4.a] Submit notification: Due to the Office of Environmental Assessment, Air Quality Assessment Division, prior to installation of guide poles and stiling well systems. Submit a description of the method of control and supporting calculations based upon the Addendum to American Petroleum Institute Publication Number 2517 Evaporative Loss from External Floating Roof Tanks, May 1994, for approval.
- 112 [LAC 33:III.2103.D.4.d] Equipment/operational data monitored by visual inspection/determination semiannually. Inspect control systems required by LAC 33:III.2103.D.4 for rips, tears, visible gaps in the pole or float wiper, and/or missing sliding cover gaskets.
- 113 [LAC 33:III.2103.D.4.d] Which Months: All Year Statistical Basis: None specified
- 114 [LAC 33:III.2103.D] Initiate repairs of any rips, tears, visible gaps in the pole or float wiper, and/or missing sliding cover gaskets by ordering appropriate parts within seven working days after defect is identified, to avoid noncompliance with LAC 33:III.2103.D.4. Complete repairs within three months of the ordering of the repair parts.
- 115 [LAC 33:III.2103.D] Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b.
- 116 [LAC 33:III.2103.H.1] Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall.
- 117 [LAC 33:III.2103.H.3] Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1.
- 118 [LAC 33:III.2103.I] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.

EQT 0006 5-78 - Naphtha Storage Tank (TK 10-09)

- 119 [40 CFR 60.112.a.1] Equip with a floating roof, a vapor recovery system, or their equivalents. Subpart K. [40 CFR 60.112(a)(1)]

SPECIFIC REQUIREMENTS

AIID: 13058 - Pelican Refining Co LLC
 Activity Number: PER20080002
 Permit Number: 0520-00027-04
 Air - Minor (Synthetic) Modification

EQT 0006 5-78 - Naphtha Storage Tank (TK 10-09)

- 120 [40 CFR 60.113] Petroleum liquid storage data recordkeeping by electronic or hard copy at the approved frequency. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K.
 Equip with a submerged fill pipe.
- 121 [LAC 33:III.2103.B] Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric.
- 122 [LAC 33:III.2103.D.2.a] Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall.
- 123 [LAC 33:III.2103.D.2.b] Seal gap area $\leq 1 \text{ in}^2/\text{ft}$ of tank diameter (6.5 cm²/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 124 [LAC 33:III.2103.D.2.c] Which Months: All Year Statistical Basis: None specified
 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.
- 125 [LAC 33:III.2103.D.2.d] Which Months: All Year Statistical Basis: None specified
 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.
 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts.
- 126 [LAC 33:III.2103.D.2.e] Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.
 Which Months: All Year Statistical Basis: None specified
 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2.
- 127 [LAC 33:III.2103.D.2.e] Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.
 Which Months: All Year Statistical Basis: None specified
 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets.
- 128 [LAC 33:III.2103.D.2.e] Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening.
- 129 [LAC 33:III.2103.D.2.e] Control nonslotted guide poles and sulling wells using pole wipers and gasketing between the well and sliding cover. Control slotted guide poles using a float with wiper, pole wiper, and gasketing between the well and sliding cover.
- 130 [LAC 33:III.2103.D.2.e] Submit notification: Due to the Office of Environmental Assessment, Air Quality Assessment Division, prior to installation of guide poles and stilling well systems. Submit a description of the method of control and supporting calculations based upon the Addendum to American Petroleum Institute Publication Number 2517 Evaporative Loss from External Floating Roof Tanks, May 1994, for approval.
- 131 [LAC 33:III.2103.D.3]
- 132 [LAC 33:III.2103.D.3]
- 133 [LAC 33:III.2103.D.4.a]
- 134 [LAC 33:III.2103.D.4.a]

SPECIFIC REQUIREMENTS

AI ID: 13058 - Pelican Refining Co LLC
Activity Number: PER20080002
Permit Number: 0520-00027-04
Air - Minor (Synthetic) Modification

EQT 0006 5-78 - Naphtha Storage Tank (TK 10-09)

- 135 [LAC 33:III.2103.D.4.d] Equipment/operational data monitored by visual inspection/determination semiannually. Inspect control systems required by LAC 33:III.2103.D.4 for rips, tears, visible gaps in the pole or float wiper, and/or missing sliding cover gaskets.
Which Months: All Year Statistical Basis: None specified
- 136 [LAC 33:III.2103.D.4.d] Initiate repairs of any rips, tears, visible gaps in the pole or float wiper, and/or missing sliding cover gaskets by ordering appropriate parts within seven working days after defect is identified, to avoid noncompliance with LAC 33:III.2103.D.4. Complete repairs within three months of the ordering of the repair parts.
- 137 [LAC 33:III.2103.D] Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b.
- 138 [LAC 33:III.2103.D] Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall.
Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1.
Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3 a-c.
- 141 [LAC 33:III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.

EQT 0007 6-78 - Naphtha Storage Tank (TK 10-10)

- 142 [40 CFR 60.112.a.1] Equip with a floating roof, a vapor recovery system, or their equivalents. Subpart K. [40 CFR 60.112(a)(1)]
- 143 [40 CFR 60.113] Petroleum liquid storage data recordkeeping by electronic or hard copy at the approved frequency. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K.
Equip with a submerged fill pipe.
- 144 [LAC 33:III.2103.B] Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric.
- 145 [LAC 33:III.2103.D.2.a] Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall.
- 146 [LAC 33:III.2103.D.2.b] Seal gap area $\leq 1 \text{ in}^2/\text{ft}$ of tank diameter (6.5 cm²/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 147 [LAC 33:III.2103.D.2.c] Which Months: All Year Statistical Basis: None specified
- 148 [LAC 33:III.2103.D.2.d] Seal gap area $\leq 10 \text{ in}^2/\text{ft}$ of tank diameter (65 cm²/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
Which Months: All Year Statistical Basis: None specified
- 149 [LAC 33:III.2103.D.2.e] Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.
Which Months: All Year Statistical Basis: None specified
- 150 [LAC 33:III.2103.D.2.e] Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AIID: 13058 - Pelican Refining Co LLC
Activity Number: PER20080002
Permit Number: 0520-00027-04
Air - Minor (Synthetic) Modification

EQT 0007 6-78 - Naphtha Storage Tank (TK 10-10)

- 151 [LAC 33:III.2103.D.2.e] Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts.
- 152 [LAC 33:III.2103.D.2.e] Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2.
- 153 [LAC 33:III.2103.D.2.e] Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.
 Which Months: All Year Statistical Basis: None specified
- 154 [LAC 33:III.2103.D.3] Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets.
- 155 [LAC 33:III.2103.D.3] Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening.
- 156 [LAC 33:III.2103.D.4.a] Control nonslotted guide poles and stiling wells using pole wipers and gasketing between the well and sliding cover. Control slotted guide poles using a float with wiper, pole wiper, and gasketing between the well and sliding cover.
- 157 [LAC 33:III.2103.D.4.a] Submit notification: Due to the Office of Environmental Assessment, Air Quality Assessment Division, prior to installation of guide poles and stiling well systems. Submit a description of the method of control and supporting calculations based upon the Addendum to American Petroleum Institute Publication Number 2517 Evaporative Loss from External Floating Roof Tanks, May 1994, for approval.
- 158 [LAC 33:III.2103.D.4.d] Initiate repairs of any rips, tears, visible gaps in the pole or float wiper, and/or missing sliding cover gaskets by ordering appropriate parts within seven working days after defect is identified, to avoid noncompliance with LAC 33:III.2103.D.4. Complete repairs within three months of the ordering of the repair parts.
- 159 [LAC 33:III.2103.D.4.d] Equipment/operational data monitored by visual inspection/determination semiannually. Inspect control systems required by LAC 33:III.2103.D.4 for rips, tears, visible gaps in the pole or float wiper, and/or missing sliding cover gaskets.
- 160 [LAC 33:III.2103.D] Which Months: All Year Statistical Basis: None specified
- 160 [LAC 33:III.2103.D] Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b.
- 161 [LAC 33:III.2103.D] Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall.
- 162 [LAC 33:III.2103.H.1] Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1.
- 163 [LAC 33:III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
- 164 [LAC 33:III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.

EQT 0021 21-78 - Barge Loading (Refinery)

SPECIFIC REQUIREMENTS

AIID: 13058 - Pelican Refining Co LLC
Activity Number: PER20080002
Permit Number: 0520-00027-04
Air - Minor (Synthetic) Modification

EQT 0021 21-78 - Barge Loading (Refinery)

- 165 [LAC 33:III.501.C.6] Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of breakthrough. Keep records of the number of breakthroughs on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
- 166 [LAC 33:III.501.C.6] Utilize a monitoring system approved by the Environmental Technology Division, Engineering Services.
- 167 [LAC 33:III.501.C.6] Submit report: Due annually, by the 31st of March. Submit the number of breakthroughs for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.
- 168 [LAC 33:III.501.C.6] Cease using equipment when breakthrough occurs and do not resume use until the carbon adsorption unit has been regenerated or replaced.

EQT 0024 1-90 - Vacuum Distillation Unit Heater

- 169 [40 CFR 60.104.a.1] Fuel gas: Hydrogen sulfide ≤ 0.1 gr/dscf (230 mg/dscm). Subpart J. [40 CFR 60.104(a)(1)]
Which Months: All Year Statistical Basis: Three-hour rolling average
- 170 [40 CFR 60.105.a.4] Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]
Which Months: All Year Statistical Basis: None specified
- 171 [LAC 33:III.1101.B] Opacity ≤ 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
Which Months: All Year Statistical Basis: None specified
- 172 [LAC 33:III.1311.C] Opacity ≤ 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
Which Months: All Year Statistical Basis: Six-minute average
- 173 [LAC 33:III.1513] Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request.

EQT 0026 5-91 - Intermediate Petroleum Product Tank (TK 55-18)

- 174 [40 CFR 60.116b] Shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel for at least 2 years.

EQT 0061 1-99 - Slop Oil Tank (TK 1-02)

- 175 [40 CFR 60.116b] Shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel for at least 2 years.

EQT 0063 3-99 - Fire Water Pump - Diesel Engine Driver

SPECIFIC REQUIREMENTS

AI ID: 13058 - Pelican Refining Co LLC
Activity Number: PER20080002
Permit Number: 0520-00027-04
Air - Minor (Synthetic) Modification

EQT 0063 3-99 - Fire Water Pump - Diesel Engine Driver

176 [LAC 33:III.1101.B]

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: None specified

177 [LAC 33:III.1311.C]

Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average

EQT 0067 7-99 - Instrument Back-up Compressor

178 [LAC 33:III.1101.B]

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: None specified

179 [LAC 33:III.1311.C]

Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average

EQT 0070 2-78 - Boiler B-482

180 [LAC 33:III.1101.B]

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: None specified

181 [LAC 33:III.1313.C]

Total suspended particulate <= 0.6 lb/MMBTU of heat input.

Which Months: All Year Statistical Basis: None specified

EQT 0071 1-98 - Boiler B-483

182 [LAC 33:III.1101.B]

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: None specified

183 [LAC 33:III.1313.C]

Total suspended particulate <= 0.6 lb/MMBTU of heat input.

Which Months: All Year Statistical Basis: None specified

TRT 0001 8-99 - Wastewater Collection & Treatment

SPECIFIC REQUIREMENTS

AI ID: 13058 - Pelican Refining Co LLC
Activity Number: PER20080002
Permit Number: 0520-00027-04
Air - Minor (Synthetic) Modification

TRT 0001 8-99 - Wastewater Collection & Treatment

- 184 [40 CFR 60.692-2.a.1] Equip each drain with water seal controls. Subpart QQQ. [40 CFR 60.692-2(a)(1)]
- 185 [40 CFR 60.692-2.a.2] Equipment/operational data monitored by visual inspection/determination once initially and monthly thereafter. Monitor drains in active service for indications of low water levels or other conditions that would reduce the effectiveness of the water seal controls. Subpart QQQ. [40 CFR 60.692-2(a)(2)]
- 186 [40 CFR 60.692-2.a.3] Which Months: All Year Statistical Basis: None specified
 Equipment/operational data monitored by visual inspection/determination once initially and weekly thereafter. Monitor drains out of active service for indications of low water levels or other problems that could result in VOC emissions. Subpart QQQ. [40 CFR 60.692-2(a)(3)]
- 187 [40 CFR 60.692-2.a.4] Which Months: All Year Statistical Basis: None specified
 Equipment/operational data monitored by technically sound method once initially and semiannually thereafter. Monitor the tightly sealed cap or plug over a drain that is out of service to ensure cap or plug are in place and properly installed. Subpart QQQ. [40 CFR 60.692-2(a)(4)]
- 188 [40 CFR 60.692-2.a.5] Which Months: All Year Statistical Basis: None specified
 Add water or make first attempts at repair as soon as practicable, but not later than 24 hours after low water levels or missing or improperly installed caps or plugs are detected, except as specified in 40 CFR 60.692-6. Subpart QQQ. [40 CFR 60.692-2(a)(5)]
- 189 [40 CFR 60.692-2.b.1] Junction boxes: Equip with a cover. Ensure vent pipes are at least 90 cm (3 ft) in length and do not exceed 10.2 cm (4 in) in diameter. Subpart QQQ. [40 CFR 60.692-2(b)(1)]
- 190 [40 CFR 60.692-2.b.2] Junction boxes: Cover must have a tight seal around the edge and be kept in place at all times, except during inspection and maintenance. Subpart QQQ. [40 CFR 60.692-2(b)(2)]
- 191 [40 CFR 60.692-2.b.3] Junction boxes: Equipment/operational data monitored by visual inspection/determination once initially and semiannually thereafter. Monitor to ensure the cover is in place and to ensure that the cover has a tight seal around the edge. Subpart QQQ. [40 CFR 60.692-2(b)(3)]
- 192 [40 CFR 60.692-2.b.4] Which Months: All Year Statistical Basis: None specified
 Junction boxes: Make a first effort at repair as soon as practicable, but not later than 15 calendar days after a broken seal or gap is identified, except as provided in 40 CFR 60.692-6. Subpart QQQ. [40 CFR 60.692-2(b)(4)]
- 193 [40 CFR 60.692-2.c.1] Sewer lines: Ensure that sewer lines are not open to the atmosphere and are covered or enclosed in a manner so as to have no visual gaps or cracks in joints, seals, or other emission interfaces. Subpart QQQ. [40 CFR 60.692-2(c)(1)]
- 194 [40 CFR 60.692-2.c.2] Sewer lines: Equipment/operational data monitored by visual inspection/determination once initially and semiannually thereafter. Monitor the portion of each unburied sewer line for indication of cracks, gaps, or other problems that could result in VOC emissions. Subpart QQQ. [40 CFR 60.692-2(c)(2)]
- 195 [40 CFR 60.692-2.c.3] Which Months: All Year Statistical Basis: None specified
 Sewer lines: Make repairs as soon as practicable, but not later than 15 calendar days after cracks, gaps, or other problems are detected, except as specified in 40 CFR 60.692-6. Subpart QQQ. [40 CFR 60.692-2(c)(3)]
- 196 [40 CFR 60.692-2.e] Do not route refinery wastewater routed through new drains and a new first common downstream junction box, either as part of a new or existing individual drain system, through a downstream catch basin. Subpart QQQ. [40 CFR 60.692-2(e)]
- 197 [40 CFR 60.692-3.a] Equip and operate each oil-water separator tank, slop oil tank, storage vessel, or other auxiliary equipment with a fixed roof, which meets the specifications in 40 CFR 60.692-3(a)(1) through (a)(5), except as provided in 40 CFR 60.692-3(d) or 60.693-2. Subpart QQQ. [40 CFR 60.692-3(a)]

SPECIFIC REQUIREMENTS

AI ID: 13058 - Pelican Refining Co LLC
Activity Number: PER20080002
Permit Number: 0520-00027-04
Air - Minor (Synthetic) Modification

TRT 0001 8-99 - Wastewater Collection & Treatment

- 198 [40 CFR 60.692-3.b] Equip and operate each oil-water separator tank or auxiliary equipment with a design capacity to treat more than 16 liters per second (250 gpm) with a closed vent system and control device, which meet the requirements 40 CFR 60.692-5, except as provided in 40 CFR 60.692-3(c) or 60.693-2. Subpart QQQ. [40 CFR 60.692-3(b)]
- 199 [40 CFR 60.692-3.c] Meet the requirements of 40 CFR 60.692-3(a), or comply with the requirements of 40 CFR 60.692-3(a) for the existing fixed roof covering a portion of the separator tank and comply with the requirements for floating roofs in 40 CFR 60.693-2 for the remainder of the separator tank. Subpart QQQ. [40 CFR 60.692-3(c)]
- 200 [40 CFR 60.692-3.e] Ensure that slop oil from an oil-water separator tank and oily wastewater from slop oil handling equipment is collected, stored, transported, recycled, reused, or disposed of in an enclosed system. Equip equipment used in handling slop oil with a fixed roof meeting the requirements of 40 CFR 60.692-3(a). Subpart QQQ. [40 CFR 60.692-3(e)]
- 201 [40 CFR 60.696.a] Before using any equipment installed in compliance with 40 CFR 60.692-2, 60.692-3, 60.692-4, 60.692-5, or 60.693, inspect such equipment for indication of potential emissions, defects, or other problems that may cause requirements of 40 CFR 60 Subpart QQQ not to be met. Subpart QQQ. [40 CFR 60.696(a)]
- 202 [40 CFR 60.697.a] Retain all records required by 40 CFR 60 Subpart QQQ for a period of 2 years after being recorded unless otherwise noted. Subpart QQQ. [40 CFR 60.697(a)]
- 203 [40 CFR 60.697.b] Inspection records recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep the records specified in 40 CFR 60.697(b)(1) through (b)(3). Subpart QQQ. [40 CFR 60.697(b)]
- 204 [40 CFR 60.697.c] Inspection records recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the location, date, and corrective action for inspections required by 40 CFR 60.692-3(a) when a problem is identified that could result in VOC emissions. Subpart QQQ. [40 CFR 60.697(c)]
- 205 [40 CFR 60.697.e] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep the records specified in 40 CFR 60.697(e)(1) through (e)(4), as applicable. Subpart QQQ. [40 CFR 60.697(e)]
- 206 [40 CFR 60.697.f] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 60.697(f)(1) through (f)(3) for the life of the source in a readily accessible location. Subpart QQQ. [40 CFR 60.697(f)]
- 207 [40 CFR 60.697.g] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep plans or specifications which indicate the location of out of active service drains covered by tightly sealed caps or plugs for the life of the facility in a readily accessible location. Subpart QQQ. [40 CFR 60.697(g)]
- 208 [40 CFR 60.698.b.1] Submit Notification: Due within 60 days after initial startup. Submit a certification that the equipment necessary to comply with 40 CFR 60 Subpart QQQ has been installed and that the required initial inspections or tests of process drains, sewer lines, junction boxes, oil-water separators, and closed vent systems and control devices have been carried out in accordance with 40 CFR 60 Subpart QQQ. Thereafter, submit a certification semiannually that all of the required inspections have been carried out in accordance with 40 CFR 60 Subpart QQQ. Subpart QQQ. [40 CFR 60.698(b)(1)]
- 209 [40 CFR 60.698.c] Submit report: Due initially and semiannually thereafter. Submit a report that summarizes all inspections when a water seal was dry or otherwise breached, when a drain cap or plug was missing or improperly installed, or when cracks, gaps, or other problems were identified that could result in VOC emissions, including information about the repairs or corrective action taken. Subpart QQQ. [40 CFR 60.698(c)]
- 210 [LAC 33:III.2109.A.1] Equip with a container having all openings sealed and totally enclosed liquid contents. All gauging and sampling devices will be gas-tight except when gauging or sampling is taking place.

SPECIFIC REQUIREMENTS

AIID: 13058 - Pelican Refining Co LLC
Activity Number: PER20080002
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Air - Minor (Synthetic) Modification

TRT 0001 8-99 - Wastewater Collection & Treatment

- 211 [LAC 33:III.2109.A.2] Equip with a container furnished with a floating roof. Floating roof shall consist of a pontoon type, double deck type roof, or internal floating cover which rests or floats on the surface of the contents and is equipped with a closure seal or seals to close the space between the roof edge and container wall. All gauging and sampling devices will be gas-tight except when gauging or sampling is taking place.
- 212 [LAC 33:III.2109.A.3] Equip with a container furnished with a vapor disposal system capable of processing organic vapors and gases so as to limit their emission to the atmosphere to the same extent as LAC 33:III.2109.A.1 and 2. All gauging and sampling devices will be gas-tight except when gauging or sampling is taking place.
- 213 [LAC 33:III.2109.C] Determine compliance with LAC 33:III.2109.A using monthly visual inspections or one of the test methods in LAC 33:III.2109.C.1-6, where appropriate.
- 214 [LAC 33:III.2109.D] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2109.D.1 and 3.

UNF 0001 Facility - Lake Charles Refinery

- 215 [40 CFR 60] All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A.
- 216 [40 CFR 61] All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A.
- 217 [LAC 33:III.1103] Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited.
- 218 [LAC 33:III.1109.B] Outdoor burning of waste material or other combustible material is prohibited.
- 219 [LAC 33:III.1303.B] Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited.
- 220 [LAC 33:III.2113.A] Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5.
- 221 [LAC 33:III.219] Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.
- 222 [LAC 33:III.2901.D] Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited.
- 223 [LAC 33:III.2901.F] If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G.
- 224 [LAC 33:III.501.C.6] Throughput Crude oil Submit report: Due annually, by the 31st of March. Report the crude oil throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.
- 225 [LAC 33:III.501.C.6] Throughput monitored by technically sound method monthly.
Which Months: All Year Statistical Basis: Twelve-month rolling average (rolling 1-month basis)

SPECIFIC REQUIREMENTS

AI ID: 13058 - Pelican Refining Co LLC
 Activity Number: PER20080002
 Permit Number: 0520-00027-04
 Air - Minor (Synthetic) Modification

UNF 0001 Facility - Lake Charles Refinery

- 226 [LAC 33:III.501.C.6] Crude oil Throughput recordkeeping by electronic or hard copy monthly. Keep records of the total crude oil throughput each month, as well as the total crude oil throughput for the last twelve months. Make records available for inspection by DEQ personnel.
- 227 [LAC 33:III.501.C.6] Crude oil Throughput \leq 18000 bbl/day. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if total crude oil throughput exceeds the maximum listed in this specific condition for any twelve consecutive month period.
- 228 [LAC 33:III.561.A] Which Months: All Year Statistical Basis: Twelve-month rolling average (rolling 1-month basis)
 Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency: Due within 30 days after requested by the administrative authority.
- 229 [LAC 33:III.561.B] During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations.

RECEIPT OF CHECK

Report Date/Time
6/6/2008 11:31:21 AM

AI NUMBER	13058
Company Name	Sage Environmental Consulti
Site Name/Location	
Phone Number	(512) 327-0288
Date Received	6/5/2008
Date on Check	5/12/2008
Check Number	65735
Amount Received	\$1,866.00

RECEIPT GENERATED BY:

Barbara Williamson

COMMENTS

minor mod for the Pelican Refining Company, LLC, Lake Charles facility---permit 0520-00027-V2

Media:

AIR QUALITY